



**One Sprint. Many Solutions.<sup>SM</sup>**

**Sprint PCS Vision<sup>SM</sup> Smart Device  
SP-i600 by Samsung<sup>®</sup>**

**User's Guide**



# Table of Contents

<b>Welcome to Sprint PCS</b> .....	i
<b>Introduction</b> .....	ii
<b>Section 1: Getting Started</b> .....	1
<b>1A. Setting Up Service</b> .....	2
Getting Started With Sprint PCS Service .....	3
Setting Up Your Voicemail .....	4
Sprint PCS Account Passwords .....	5
Getting Help .....	6
<b>Section 2: Your Sprint PCS Phone</b> .....	8
<b>2A. Your Sprint PCS Phone: The Basics</b> .....	9
Front View of Your Phone .....	10
Key Functions .....	11
Viewing the Display Screen .....	14
Features of Your Sprint PCS Vision Smart Device .....	15
Turning Your Phone On and Off .....	16
Using Your Phone's Battery and Charger .....	17
Performing an ActiveSync Operation .....	19
Displaying Your Phone Number .....	20
Making and Answering Calls .....	20
Making Calls .....	20
Answering Calls .....	21
Missed Call Notification .....	22
Calling Emergency Numbers .....	22
Call Options .....	22
In-Call Options .....	23
End-of-Call Options .....	23
Saving a Contact .....	24
Finding Contacts .....	24
Dialing and Saving Phone Numbers With Pauses .....	25
Dialing From Contacts .....	26
Using One-Touch/Two-Touch Speed Dialing .....	26
Entering Text .....	27
Selecting a Character Input Mode .....	27
Entering Characters Using T9 Text Input .....	27
Entering Characters by Tapping the Keypad .....	28
Entering Numbers and Symbols .....	29
<b>2B. Controlling Your Phone's Settings</b> .....	30
Sound Settings .....	31
Ring Tone .....	31

Alert Notification .....	33
Profiles .....	34
Display Settings .....	36
Home Screen .....	36
Power Management .....	37
Location Settings .....	39
Quick List .....	40
Power Off .....	41
Flight Mode .....	41
Key Lock .....	42
Speakerphone .....	42
TTY Use With Sprint PCS Service .....	43
<b>2C. Setting Your Phone's Security .....</b>	<b>44</b>
Accessing the Security Menu .....	45
Using the Phone Lock Feature .....	46
Locking Your Phone .....	46
Unlocking Your Phone .....	46
Calling in Lock Mode .....	47
Using Emergency Numbers .....	47
Resetting Your Phone .....	48
Initializing Your Phone .....	48
Security Features for Sprint PCS Vision <sup>SM</sup> .....	49
Enabling Sprint PCS Vision Services .....	49
Updating Your Sprint PCS Vision Profile .....	50
<b>2D. Controlling Your Roaming Experience .....</b>	<b>51</b>
Understanding Roaming .....	52
Setting Your Phone's Roam Mode .....	53
<b>2E. Navigating Through Menus .....</b>	<b>55</b>
Menu Navigation .....	56
Menu Structure .....	56
Viewing the Menus .....	57
<b>2F. Managing Call History .....</b>	<b>66</b>
Viewing Call History .....	67
Call History Options .....	68
Making a Call From Call History .....	68
Call History Filter .....	68
Saving a Contact From Call History .....	69
Deleting Call History .....	70
<b>2G. Using Contacts .....</b>	<b>71</b>
Adding a New Contact Entry .....	72
Finding Contact Entries .....	72
Adding a Phone Number to a Contact Entry .....	73

Editing a Contact Entry's Phone Number.....	74
Assigning Speed Dial Numbers.....	74
Selecting a Ringer Type for a Contact .....	75
<b>2H. Calendar .....</b>	<b>76</b>
Using Your Phone's Calendar.....	77
Adding an Event to the Calendar.....	77
Event Alerts .....	78
Viewing Events .....	79
Deleting Events .....	79
Date and Time.....	79
Alarm Clock .....	80
Accessories and Games Folder.....	80
Using the Calculator .....	80
Games.....	81
<b>2I. Using Your Phone's Voice Services .....</b>	<b>82</b>
Activating Voice Recognition.....	83
Using Digit Dial.....	84
Enabling/Disabling Digit Dial Choice Lists .....	85
Adapting Digit Dial.....	85
Using Quick Dial.....	88
Quick Dial Training.....	88
Using Quick Calling.....	89
Using Name Dial .....	89
Enabling/Disabling Name Dial Choice Lists .....	90
Using Name Lookup.....	91
Enabling/Disabling Name Lookup Choice Lists .....	91
Using Open Application .....	92
Managing Voice Notes .....	93
Recording Voice Notes .....	93
Reviewing and Erasing Notes .....	94
<b>2J. Using Your Smartphone .....</b>	<b>95</b>
Using an Optional SD Card.....	96
Transferring Data to the SD Card .....	96
Accessing the SD Card.....	97
Removing the SD Card.....	97
Beaming Information .....	98
Beaming a Contact.....	98
Managing Your Owner Information.....	99
Managing Your Device's Certificates .....	99
Data Connections .....	100
Editing Data Connections .....	101
Removing Programs .....	101
Using an Optional Portable Keyboard .....	102

Keyboard Shortcuts .....	103
Using AudiblePlayer .....	104
Accessing Audible Audio .....	104
Playing Audiobooks and Other Audio Programs .....	104
Downloading New Audio from <a href="http://www.audible.com">www.audible.com</a> .....	107
<b>Section 3: Sprint PCS Service Features.....</b>	<b>108</b>
<b>3A.Sprint PCS Service Features: The Basics .....</b>	<b>109</b>
Using Voicemail .....	110
Setting Up Your Voicemail .....	110
Voicemail Notification .....	110
New Voicemail Message Alerts .....	111
Retrieving Your Voicemail Messages .....	111
Voicemail Options .....	113
Voicemail Menu Key .....	116
Using SMS Text Messaging .....	117
Composing SMS Text Messages.....	117
Using Caller ID .....	118
Responding to Call Waiting .....	118
Making a Three-Way Call .....	119
Using Call Forwarding .....	120
<b>3B.Sprint PCS Vision<sup>SM</sup> .....</b>	<b>121</b>
Getting Started With Sprint PCS Vision .....	122
Your User Name .....	122
Launching a Sprint PCS Vision Connection .....	123
Navigating the Web .....	124
Downloading Content Using Handango.....	127
Accessing Games .....	129
Exploring the Web .....	130
Using the Browser Menu .....	131
MSN Messenger .....	134
Using MSN Messenger .....	135
Using Sprint PCS Business Connection Personal Edition.....	138
Sprint PCS Vision FAQs.....	139
<b>3C.Sprint PCS Voice Command<sup>SM</sup> .....</b>	<b>140</b>
Getting Started With Sprint PCS Voice Command .....	141
Creating Your Own Address Book .....	141
Making a Call With Sprint PCS Voice Command .....	142
Accessing Information Using Sprint PCS Voice Command .....	143

<b>Section 4: Safety Guidelines and Warranty Information. ....</b>	<b>144</b>
<b>4A.Safety .....</b>	<b>145</b>
Getting the Most Out of Your Reception.....	146
Maintaining Safe Use of and Access to Your Phone.....	147
Caring for the Battery .....	149
Acknowledging Special Precautions and the FCC Notice .....	150
Consumer Information on Wireless Phones .....	152
Owner's Record .....	166
User's Guide Proprietary Notice.....	166
<b>4B.Terms &amp; Conditions and Manufacturer's Warranty .....</b>	<b>167</b>



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## Welcome to Sprint PCS

**Sprint PCS has the most complete, all-digital wireless network in the nation. Depend on it.** We are committed to bringing you the best wireless technology available. With Sprint PCS, you get the most complete, all-digital wireless network in the nation so all your services work the same wherever you go on the network. We built our network right from the start, so no matter where you are on the enhanced Sprint Nationwide PCS Network, all your services – whether it's Voicemail, Caller ID, or e-mail – will work the same.

This guide will familiarize you with our technology and your new Sprint PCS Vision Phone through simple, easy-to-follow instructions. If you have already reviewed the **Guide to Activating and Using Your Phone** that was packaged with your new phone, then you're ready to explore the advanced features outlined in this guide.

If you have not read your **Guide to Activating and Using Your Phone**, go to Section One – Getting Started. This section provides all the information you need to unlock your phone, set up your voicemail, and much more. It also contains information on how to contact Sprint PCS if you have any questions about your service, wish to check your account balance, or want to purchase additional products or services.

Sprint PCS is different. All your services work the same wherever you go on the most complete, all-digital wireless network in the nation.

**Welcome and thank you for choosing Sprint PCS.**

# Introduction

This **User's Guide** introduces you to Sprint PCS Service and all the features of your new phone. It's divided into four sections:

- ◆ **Section 1:** Getting Started
- ◆ **Section 2:** Your Sprint PCS Phone
- ◆ **Section 3:** Sprint PCS Service Features
- ◆ **Section 4:** Safety Guidelines and Warranty Information

Throughout this guide, you'll find tips that highlight special shortcuts and timely reminders to help you make the most of your new phone and service. The Table of Contents and Index will also help you quickly locate specific information.

You'll get the most out of your phone if you read each section. However, if you'd like to get right to a specific feature, simply locate that section in the Table of Contents and click on the page number to go directly to that page. Follow the instructions in that section, and you'll be ready to use your phone in no time.

**Note:**

You can view this guide online or print it to keep it on hand. If you're viewing it online, simply click on a topic in the Table of Contents or Index or on any page reference. The PDF will automatically display the appropriate page.

## Getting Started

# Setting Up Service

### In This Section

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- ◆ **Getting Started With Sprint PCS Service**
- ◆ **Setting Up Your Voicemail**
- ◆ **Sprint PCS Account Passwords**
- ◆ **Getting Help**

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**Setting up service on your new Sprint PCS Phone is quick and easy.**

This section walks you through the necessary steps to set up your phone, unlock your phone, set up your voicemail, establish passwords, and contact Sprint Customer Service for assistance with your Sprint PCS Service.

# Getting Started With Sprint PCS Service

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## Determining if Your Phone is Already Activated

If you purchased your phone at a Sprint PCS Store, it is probably activated, unlocked, and ready to use. If you received your phone in the mail, it probably has been activated; all you need to do is unlock it.

If your phone is not activated, please refer to the Guide to Activating and Using Your Phone included with your phone.

## Unlocking Your Phone

To unlock your phone, follow these easy steps:

1. Press  to turn the phone on.
2. Select **Unlock** (right softkey).

**Note:**

To select a softkey, press the softkey button directly below the softkey text that appears at the bottom left and bottom right of your phone's display screen. Softkey actions change according to the screen you're viewing and will not appear if there is no corresponding action available.

3. Enter your four-digit lock code. (For security purposes, the code is not visible as you type.)

**Tip:**

If you can't recall your lock code, try using the last four digits of either your Social Security number or Sprint PCS Phone Number or try 0000. If none of these work, call Sprint Customer Service at 1-888-211-4PCS (4727).

## Setting Up Your Voicemail

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All unanswered calls to your Sprint PCS Vision Phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your phone is activated.

### To set up your voicemail:

1. Press and hold  .
2. Follow the system prompts to:
  - Create your pass code
  - Record your greeting
  - Record your name announcement
  - Choose whether or not to activate One-Touch Message Access (a feature that lets you access messages simply by pressing and holding  , bypassing the need for you to enter your pass code)

**Note:** The voicemail setup process may vary in certain Affiliate areas.

For more information about using your voicemail, see “Using Voicemail” on page 110.

# Sprint PCS Account Passwords

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As a Sprint PCS customer, you enjoy unlimited access to your personal account information, your voicemail account, and your Sprint PCS Vision account. To ensure that no one else has access to your information, you will need to create passwords to protect your privacy.

## **Account Password**

If you are the account owner, you'll have an account password to sign on to [www.sprintpcs.com](http://www.sprintpcs.com) and to use when calling Sprint Customer Service. Your default account password is the last four digits of your Social Security number. If you are not the account owner (if someone else pays for your Sprint PCS Service), you can get a sub-account password at [www.sprintpcs.com](http://www.sprintpcs.com).

## **Voicemail Password**

You'll create your voicemail password (or pass code) when you set up your voicemail. See "Setting Up Your Voicemail" on page 4 for more information on your voicemail password.

## **Sprint PCS Vision Password**

If you have a Sprint PCS Vision Phone, you can set up a Sprint PCS Vision Password. This optional password may be used to authorize purchase of Premium Services content and to protect personal information on multi-phone accounts.

For more information or to change your passwords, sign on to [www.sprintpcs.com](http://www.sprintpcs.com) or call Sprint Customer Service at 1-888-211-4PCS (4727).

# Getting Help

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## Visit Our Website

You can get up-to-date information on Sprint PCS Services and Options by signing onto our Website at [www.sprintpcs.com](http://www.sprintpcs.com).

When you visit us online, you can

- Review coverage maps
- Learn how to use voicemail
- Access your account information
- Purchase accessories
- Add additional options to your service plan
- Check out frequently asked questions
- And more

## Reaching Sprint Customer Service

You can reach Sprint Customer Service many different ways:

- Dial    on your Sprint PCS Phone
- Sign on to your account at [www.sprintpcs.com](http://www.sprintpcs.com)
- Call us toll-free at 1-888-211-4727 (Consumer customers)
- Write to us at Sprint Customer Service, P.O. Box 8077, London, KY 40742

## Receiving Automated Invoicing Information

For your convenience, your phone gives you access to invoicing information on your Sprint PCS Account. This information includes balance due, payment received, invoicing cycle, and the number of minutes used since your last invoicing cycle. (Normal airtime usage will apply.)

To access automated invoicing information:

► Press   .

**Note:** This service may not be available in all Affiliate areas.

## Sprint Directory Assistance

You have access to a variety of services and information through Sprint PCS Directory Assistance, including residential, business, and government listings; assistance with local or long-distance calls; movie listings; and hotel, restaurant, shopping, and major local event information. There is a per-call charge and you will be billed for airtime.

**To call Sprint PCS Directory Assistance:**

- ▶ Press    .

## Sprint PCS Operator Services

Sprint PCS Operator Services provides assistance when placing collect calls or when placing calls billed to a local telephone calling card or third party.

**To access Sprint PCS Operator Services:**

- ▶ Press  .

For more information or to see the latest in products and services, visit us online at [www.sprintpcs.com](http://www.sprintpcs.com).

**Note:**

Sprint PCS Operator Services may not be available in all Affiliate areas.

## **Your Sprint PCS Phone**

# Your Sprint PCS Phone: The Basics

### In This Section

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- ◆ **Front View of Your Phone**
- ◆ **Viewing the Display Screen**
- ◆ **Features of Your Sprint PCS Vision Smart Device**
- ◆ **Turning Your Phone On and Off**
- ◆ **Using Your Phone's Battery and Charger**
- ◆ **Performing an ActiveSync Operation**
- ◆ **Displaying Your Phone Number**
- ◆ **Making and Answering Calls**
- ◆ **Entering Text**

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**Your Sprint PCS Vision Smart Device is packed with features that simplify your life and expand your ability to stay connected to the people and information that are important to you.** This section will guide you through the basic functions and calling features of your SP-i600 by Samsung.

## Front View of Your Phone



## Key Functions

1. **Receiver:** The receiver allows you to hear the other caller and the different ring tones and sounds offered by your phone.
2. **Application Icons:** These icons represent the applications that are available on your phone. Each time you launch an application, upon returning to the Home screen, the icon for the application is displayed first in line.
3. **Display Screen:** This screen displays all the information needed to operate your phone.
4. **Left Softkey Option:** This option is selected when you press the Left Softkey on your phone. This option changes depending on the application displayed on screen.
5. **Headset Jack:** Allows you to plug in an optional headset for safe, convenient, hands-free conversations.
6. **Left Softkey:** This key is used to navigate through menus and applications by selecting the choice available in the Left Softkey Option.
7. **OK Key:** Pressing  when navigating through a menu accepts the highlighted choice in the menu.
8. **Home Key:** Press to return to the home screen.
9. **Volume Key:** Allows you to adjust the ringer volume in standby mode (with the flip open) or adjust the voice volume during a call. To mute the ringer during an incoming call, press the volume key up or down.
10. **TALK Key:** Allows you to place or receive a call. In standby mode, press the key once to access the Outgoing call log.
11. **Voice Note Key:** This key launches the voice notes option which allows you to record voice notes and save them on your phone.
12. **Vicemail Key:** Press and hold to automatically dial your voicemail.
13. **Numeric Keypad:** Use these keys to enter numbers, letters, and characters.
14. **Shift/Asterisk Key:** Enters the asterisk [\*] character for calling features. In text entry mode, press to change the character input type.

15. **Power/Accessory Interface Connector:** The power/accessory interface connector is used to plug in the charging accessories and also connect any available accessory cables to your phone.
16. **Microphone:** The Microphone allows the other caller to hear you clearly when you are speaking to them.
17. **Space/Pound Key:** Enters the pound [#] character for calling features. In text entry mode, press to enter a space or press and hold to open the symbols table.
18. **SD I/O Slot:** This expansion slot allows you to insert an SD memory card to add additional memory and storage capacity. This allows you to play games, store large data files, and listen to and store music and video clips.
19. **END Key:** Ends a call. Press and hold this key for a few seconds to turn your phone On or Off. When you receive an incoming call, press to mute the ringer and send the call to voicemail.
20. **BACK Key:** Deletes characters from the display when you are in text entry mode. When in a menu, press to return to the previous menu. This key also allows you to return to the previous screen in a Sprint PCS Vision session.
21. **Browser/Voice Signal Key:** If pressed once, the **browser** is launched. If you press and hold until you hear a tone and then release, the **Voice Signal** program is launched.
22. **Navigation Key:** This key allows you to scroll through the phone menu options.
23. **Quick List Key:** Press this key to display a list of options associated with the phone.
24. **Right Softkey:** This key is used to navigate through menus and applications by selecting the choice available in the Right Softkey Option.
25. **Right Softkey Option:** This option is selected when you press the Right Softkey on your phone. This option changes depending on the application displayed on screen.
26. **Signal Strength Indicator:** This icon represents the signal strength by displaying bars. The more bars displayed, the better the signal strength.

27. **Charging/Battery Indicator:** This icon indicates the battery level or charging status of the battery.
28. **Position Location:** This icon indicates that the position location feature is active or inactive.

## External LCD

### External LCD:



## Viewing the Display Screen

Your phone's display screen provides a wealth of information about your phone's status and options. This list identifies the symbols you'll see on your phone's display screen:

-  displays your current signal strength. The more lines you have, the stronger your signal.
-  means your phone cannot find a signal.
-  tells you a call is in progress.
-  indicates that there are new SMS or e-mail messages available in your Inbox.
-  indicates that there are new voicemail messages available.
-  indicates that you have missed calls. The right softkey selection is changed from Contacts to Call History.
-  indicates that the phone is roaming off the network.
-  indicates that the speakerphone option is enabled.
-  indicates that Position Location is turned On.
-  indicates that Position Location is turned On for 911 calls only.
-  indicates that the ringer has been set to vibrate or Off in the profile setting.
-  indicates that the phone is being charged.
-  indicates the battery level of the phone. The more bars displayed, the higher the charge.
-  A green Vision icon indicates that there is an active data session. A gray icon indicates that a data session is in dormant mode.
-  indicates that there is a new MSN Messenger instant message waiting.

**Note:** Display indicators help you manage your roaming charges by letting you know when you're off the Sprint Nationwide PCS Network and whether you're operating in digital or analog mode. (For more information, see Section 2D: Controlling Your Roaming Experience on page 51.)

## Features of Your Sprint PCS Vision Smart Device

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Congratulations on the purchase of your Sprint PCS Vision Smart Device. The SP-i600 by Samsung is lightweight, easy-to-use, reliable, and it also offers many significant features and service options. The following list previews some of those features and options and provides page numbers where you can find out more:

- Digital dual-band capability which means you can make and receive calls while on the Sprint Nationwide PCS Network. You can also roam on other digital networks where we've implemented roaming agreements with other carriers.
- Sprint PCS Vision<sup>SM</sup> provides access to the wireless Internet in digital mode (page 121).
- SMS Text Messaging provides quick and convenient text messaging capabilities (page 117).
- Sprint PCS Voice Command<sup>SM</sup> lets you dial phone numbers by speaking someone's name or the digits in their phone number (page 140).
- The built-in calendar allows to you schedule alerts to remind you of important events (page 77).
- Contacts allow you to store names, phone numbers, e-mail addresses, and additional contact information (page 71).
- Voice Notes allows you to record and save individual notes (page 93).
- The external display screen allows you to monitor the phone's status and to see who's calling without opening the phone.
- The alarm allows you to use available phone ringers for the alert sound. The alarm can also be set to re-occur for a specific time and date (page 80).
- Speakerphone allows you to use your phone as a speakerphone which gives other people the ability to hear and interact with your call.
- MSN Messenger allows you to send and receive instant messages (page 135).
- Pocket Internet Explorer allows you to connect to the Web (page 130).
- Handango InHand is an integrated application that allows you to download applications and games from the Web (page 127).

# Turning Your Phone On and Off

## Turning Your Phone On

To turn your phone on:

- ▶ Press .

Once your phone is on, it displays “Looking for Service” which indicates that your phone is searching for a signal. When your phone finds a signal, it automatically enters standby mode – the phone’s idle state. At this point, you are ready to begin making and receiving calls.

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. When a signal is found, your phone automatically returns to standby mode.

In Power Save mode, your phone searches for a signal periodically without your intervention. You can also initiate a search for Sprint PCS Service by pressing any key (when your phone is turned on).

**Tip:**

The Power Save feature helps to conserve your battery power when you are in an area where there is no signal.

## Turning Your Device Off

To turn your device off:

- ▶ Press and hold  for two seconds until you see the powering down animation on the display screen.

Your screen remains blank while your device is off (unless the battery is charging).

# Using Your Phone's Battery and Charger

## Battery Capacity

Your Sprint PCS Phone is equipped with a Lithium Ion (Li-Ion) battery. It allows you to recharge your battery before it is fully drained. The battery provides up to 4.3 hours of continuous digital talk time or up to 96 hours of continuous digital standby time.

When the battery reaches 5% of its capacity, the battery icon blinks. When there are approximately two minutes of talk time left, the phone sounds an audible alert and then powers down.

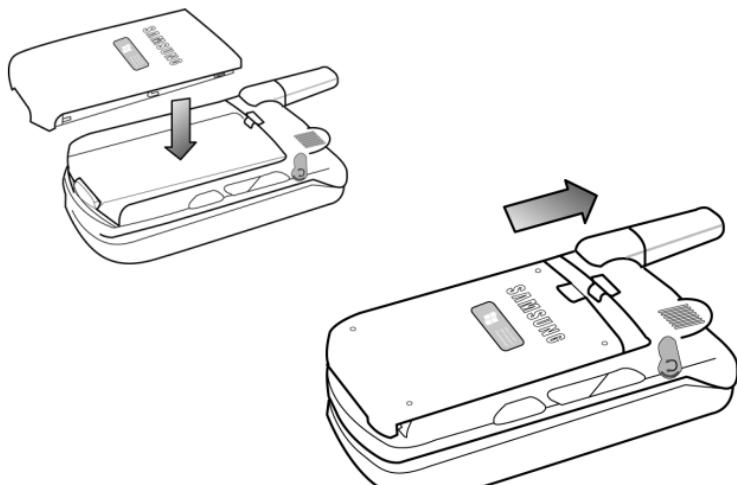
**Note:** Long backlight settings, searching for service, vibrate mode, and browser use affect the battery's talk and standby times.

**Tip:** Be sure to watch your phone's battery level indicator and charge the battery before it runs out of power.

## Installing the Battery

To install the Li-Ion battery:

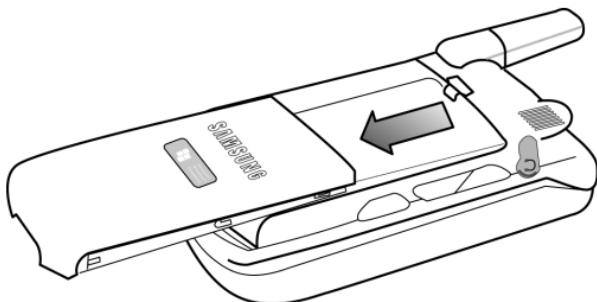
1. Insert the battery into the opening on the back of the phone, making sure the plastic tab on the bottom of the battery is inserted into the matching slot in the phone.
2. Slide the battery up until it snaps into place.



## Removing the Battery

To remove your battery:

1. Make sure the power is off so that you don't lose any stored numbers or messages.
2. Press the battery release.
3. Slide the battery down and away from the phone and remove.



## Charging the Battery

Your Sprint PCS Phone's Li-Ion battery is rechargeable and should be charged as soon as possible so you can begin using your phone.

Keeping track of your battery's charge is important. If your battery level becomes too low, your phone automatically turns off and you will lose all the information you were just working on. For a quick check of your phone's battery level, glance at the battery charge indicator located in the upper-right corner of your phone's display screen. If the battery charge is getting too low, the phone sounds a warning tone and an alert window is displayed.

Always use a Sprint PCS-approved desktop charger, travel charger, or vehicle power charger to charge your battery.

To prevent data loss, make sure that you perform an ActiveSync operation on a regular basis. This will minimize any data loss between the phone and the desktop/laptop computer.

### Warning!

Using the wrong battery charger could cause damage to your phone and void the warranty.

## Using the Travel Charger/Desktop Charger

### To use the Travel Charger/Desktop Charger:

1. Insert the phone into the Desktop Charger cradle being careful to insert the power/data interface connector.
2. Press down and back until the phone is locked into place.
3. Plug in the Travel Charger connector to the back of the Desktop Charger and plug the other end into a standard wall outlet receptacle.

When charging the battery, a red light is displayed on the front of the Desktop Charger. A charging icon is also displayed in the upper right corner of the screen on your phone's inside or outside LCD screen.

When the battery is completely charged, a green light is displayed on the front of the Desktop Charger.

It takes approximately 4 hours to fully recharge a completely rundown standard battery and 6 hours for an extended battery.

## Performing an ActiveSync Operation

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The ActiveSync application is responsible for keeping your SP-i600 and desktop or laptop machine synchronized. By keeping both your devices synchronized, you minimize the risk of losing any information. The ActiveSync operation is done using a partnership that is created between the SP-i600 and the computer. This partnership is unique to the device and cannot be used with any other ActiveSync enabled devices.

For more information regarding the ActiveSync operation and how to set up your SP-i600 to connect to the desktop or laptop machine, see the **Guide to Activating and Using Your Phone** included with your device.

# Displaying Your Phone Number

Just in case you forget your phone number, your Sprint PCS Phone can remind you.

**To display your phone number:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Phone Information** and press . (Your phone number, Sprint PCS Vision User name, and other phone specific information is displayed.)

**Note:**

To access the phone's main menu, press the **Left Softkey (Start)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

# Making and Answering Calls

## Making Calls

Placing a call from your Sprint PCS Phone is as easy as making a call from any land-line phone. Just enter the number and press  and you're on your way to clear calls.

**To make a call using your keypad:**

1. Make sure your phone is on.
2. Enter a phone number and press . (If you make a mistake while dialing, press  to erase one digit at a time. Press and hold  to erase the entire number.)
3. Press  or close the phone when you are finished.

**Tip:**

To redial your last outgoing call, press **TALK** twice.

When making calls while roaming off the Sprint Nationwide PCS Network, always dial using 11 digits (1 + area code + phone number).

You can also place calls from your Sprint PCS Phone by using Sprint PCS Voice Command<sup>SM</sup> (page 140), Speed Dialing numbers from your Contacts (page 26), and using your Call History listings (page 68).

**Tip:**

To speed dial a phone number from standby mode, press and hold the speed dial number. If the speed dial number is two digits, enter the first digit, then press and hold the second digit. (For information on setting up speed dial numbers, see "Assigning Speed Dial Numbers" on page 74.) (This feature will not work when you are roaming off the Sprint Nationwide PCS Network; when roaming you must dial using eleven digits [1 + the area code + the phone number.])

## Answering Calls

**To answer an incoming call:**

1. Make sure your phone is on. (If your phone is off, incoming calls go to voicemail.)
2. Press  to answer an incoming call.

Your Sprint PCS Vision Phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates (unless set to Silence All).
- The LED flashes.
- The backlight illuminates.
- The screen displays an incoming call message.

If the incoming call is from a number stored in your Contacts, the entry's name is displayed. The caller's phone number may also be displayed, if available.

The following options are also available:

- Press  to quiet the ringer and send the call directly to voicemail. You can also press and hold the volume key to send the incoming call to your voicemail box.
- Press and release the volume key to quiet just the ringer.

## Ending a Call

**To disconnect a call when you are finished:**

- ▶ Close the phone or press .

## Missed Call Notification

When an incoming call is not answered, the Missed Call log is displayed on your screen.

To display the Missed Call entry:

- ▶ Highlight the missed calls entry on the main menu and press  to display the call history. (To dial the phone number, highlight it and press 

## Calling Emergency Numbers

You can place calls to 911 (dial    and press 

## Call Options

Call options allow you to configure how the phone is answered, displays your phone number, and allows you to enter a country code and area code. The available options are:

- **Call Answer:** this option allows you to select between the **Talk key**, **Flip open**, and **Any key**. When the **Flip open** option is selected, the phone is answered automatically when you open the flip on your phone. The default setting is the **Talk key** which requires you to press  before answering the call. If the **Any key** option is selected, any key can be pressed to answer the call.
- **My Phone Number:** displays your phone number.
- **Country Code:** allows you to enter a default country code. The country code for the United States is .
- **Area Code:** allows you to enter your local area code. Enter the area code that represents your location.

To access the Call Options:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Call Options** and press .

## To access Call Answer:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Call Options** and press . You will see the following message: "Downloading settings from the network".
4. Press  left or right to select **Talk key**, **Flip open**, or **Any key**.
5. Press  to save and exit.

## In-Call Options

Select actions by pressing  during a call. A list of features is displayed that allows you to perform different actions during the course of a call. (To select an option, press the corresponding keypad number or highlight the option and press .) The following options are available:

- **(1) End** disconnects the call.
- **(2) Mute** or **UnMute** allows you to mute or reactivate your phone's microphone. You can also press  to mute or unmute during a call.
- **(3) Save to Contacts** allows you to save the number dialed into the contacts as a new contact or you can add it to an existing entry.
- **(4) Speakerphone** allows you to turn on or off the speaker phone option. You can also turn on the speaker phone during a call by pressing and holding .

## End-of-Call Options

After receiving a call from or making a call to a phone number that is not in your Contacts, the phone number and the duration of the call are displayed. Press   to save the new number to your Contacts. (See below for more information on "Saving a Phone Number.")

### Note:

The End-of-Call options are not displayed for calls identified as No ID or Restricted.

## Saving a Contact

Contacts can store up to a total of 11 phone numbers and three e-mail addresses, with each entry's name containing up to 255 characters. (For more information, see Section 2G: Using Contacts on page 71.)

**To save a number from standby mode:**

1. Enter a phone number.
2. Press  for **Save**.
3. Press  again for **<New Item>**.  
— or —

Scroll through the Contacts to select an existing name and press  to add the additional number to the selected entry.

4. Enter a name for the entry using the numeric keys. (Press and hold  to change the entry method between **ABC**, **T9**, and **123**. See "Entering Text" on page 27.)
5. Press  down to highlight the desired number label.
6. Press  to automatically insert the number.
7. Press  to save the entry.

## Finding Contacts

This feature allows you to search for contact names saved in your phone by entering numbers. When searching, you must enter the digits and then press the navigation key down to select the area under the phone number. The smart dialing feature automatically narrows down the choices of available matches.

**To find a contact:**

1. Begin entering the digits of the phone number you wish to call.
2. A list of possible matches is automatically displayed in the window.
3. Press  down to select the desired match and press  to call.

## Dialing and Saving Phone Numbers With Pauses

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers. The pauses must be saved in the contact information, they cannot be dialed directly on the phone. Once the contact has been saved with the pause information, it will allow you to interact when calling the number from the contacts menu.

There are two types of pauses available on your phone:

- **Hard Pause (Wait)** sends the next set of numbers when you press  .
- **2-Second Pause (Pause)** automatically sends the next set of numbers after two seconds.

**Note:** You can have multiple pauses in a phone number and combine 2-second and hard pauses.

To save phone numbers with pauses:

1. Press  for **Start**.
2. Highlight **Contacts** and press .
3. Highlight the desired contact and press  or press  for **New Contact**.
4. If an existing contact was selected, press  for **Edit**.
5. Highlight the desired number label and enter the first set of numbers. Press  and select  for **Insert Pause** or  for **Insert Wait**. (Insert Pause is displayed as a “p” and Insert Wait is displayed as a “w”.)
6. Enter the next set of numbers.
7. Press  to save the number in your **Contacts**.

**Note:** When calling a number with a wait, you must press **TALK** before the next set of numbers is dialed.

## Dialing From Contacts

To dial directly from a Contacts entry:

1. Press  to open **Contacts**.
2. Scroll to highlight the desired entry and press  to make the call.

**Note:**

To quickly locate a name, press (or multi-press) any key on the keypad that corresponds to the first letter of the contact's name.

## Using One-Touch/Two-Touch Speed Dialing

You can store up to 99 numbers in your phone's speed dial memory to make contacting friends and family as easy as pressing a few buttons. With this feature, you can dial Speed Dial entries using one key press for locations 1-9 and two key presses for locations 10-99.

To use One-Touch Dialing for Speed Dial locations 1-9:

- ▶ Press and hold the appropriate key for approximately two seconds. (The display confirms that the number has been dialed when it shows "Calling...".)

To use Two-Touch Dialing for Speed Dial locations 10-99:

1. Press the first digit.
2. Press and hold the second digit for approximately two seconds. (The display confirms that the number has been dialed when it shows "Calling...".)

**Note:**

Speed dialing is not available when you are roaming; when you are roaming off the Sprint Nationwide PCS Network, you must always dial using eleven digits (1 + area code + the phone number).

# Entering Text

---

## Selecting a Character Input Mode

Your Sprint PCS Vision Phone provides convenient ways to enter words, letters, punctuation, symbols, and numbers whenever you are prompted to enter text (for example, when adding a Contacts entry or when sending Sprint PCS Mail and SMS Text Messages).

**To change the character input mode:**

1. When you display a screen where you can enter text, press and hold  to cycle through the different modes.
2. Release  to select one of the following text input modes:
  - **T9** to enter characters using predictive T9 Text Input (see page 27).
  - **ABC** to enter characters by tapping the keypad (see page 28).
  - **123** to enter numbers (see page 29).

## Entering Characters Using T9 Text Input

T9 Text Input lets you enter text in your Sprint PCS Phone by pressing keys just once per letter. (To select the **T9 (English)** mode when entering text, see “Selecting a Character Input Mode” above.)

T9 Text Input analyzes the letters you enter using an intuitive word database and creates a suitable word. (The word may change as you type.) If the word you want does not display after you have entered all the letters, press  to scroll through additional word selections. To accept a word and insert a space, press .

If you make a mistake, press  to erase a single character. Press and hold  to delete an entire entry.

**To enter text using T9:**

1. From the text entry screen (for example, a new event in scheduler), press and hold  to select **T9**.
2. Use your keypad to enter the new event. (For example, to enter “Meeting”, press  once,  twice,  once,  once,  once, and  once.)

## Entering Characters by Tapping the Keypad

To enter characters by tapping the keypad, select the ABC mode (see “Selecting a Character Input Mode” on page 27). Press the corresponding key repeatedly until the desired character appears. By default, the first letter of the first word is capitalized and following letters are lowercase.

### To enter text using ABC:

1. From a text entry screen (for example, a contact entry), press and hold  to select **ABC**.
2. Use your keypad to enter the contact's name. (For example, to enter "Bill", press  twice,  three times,  three times, and  three times again.)

Characters scroll in the following order:

-  . , - ? ! ‘ @ : 1
-  A B C 2
-  D E F 3
-  G H I 4
-  J K L 5
-  M N O 6
-  P Q R S 7
-  T U V 8
-  W X Y Z 9
-  0
-  Space (#) (Press and hold to display Symbol characters.)
-  Shift (\*) (Changes the character input mode when you press and hold.)

After a character is entered, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

## Entering Numbers and Symbols

To enter numbers:

- ▶ Select the **123** mode and press the appropriate key. (See "Selecting a Character Input Mode" on page 27.)
- ▶ To enter Symbol mode, press and hold . Enter the number that corresponds with the desired symbol using the keypad. (For more information on adding characters, see "Selecting a Character Input Mode" on page 27.)

# Controlling Your Phone's Settings

### In This Section

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- ◆ **Sound Settings**
- ◆ **Profiles**
- ◆ **Display Settings**
- ◆ **Location Settings**
- ◆ **Quick List**
- ◆ **TTY Use With Sprint PCS Service**

---

**Using the menu options available on your Sprint PCS Phone, you can customize your phone to sound, look, and operate just the way you want it to.** This section describes how you can change your phone's settings to best suit your needs. Take a few moments to review these options and to adjust or add settings that are right for you.

# Sound Settings

## Ring Tone

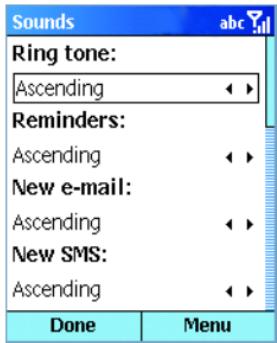
Ringer tone helps you identify incoming calls and messages. You can assign ring tones to individual Contacts entries, types of calls, calendar entries, and other types of messages.

### Selecting Ringer Types for Voice Calls

Your Sprint PCS Phone provides a variety of ringer options that allow you to customize your ring and volume settings. These options allow you to identify incoming calls by the ring.

**To select a ringer type for voice calls:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Sounds** and press .
4. Press  left or right to select one of the available ring tones or to turn off the ring tone.



5. Press  to **Save** and exit.

**Note:** To access the phone's main menu, press **(Left Softkey)** from standby mode. Menu items may be selected by highlighting them with the navigation key and pressing **OK**, or you can press the number corresponding to the menu item on your keypad.

## Selecting Ringer Types for Messages

To select a ringer type for messages:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Sounds** and press .
4. Press  down until the desired message option (e-mail, SMS, voice message, instant message, or channel message) is displayed.
5. Press  left or right to select the desired ring tone.
6. Press  to **Save** and exit.

## Selecting Ringer Types for Reminders

To select a ringer type for Reminders:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Sounds** and press .
4. Press  down until the **Reminder** option is displayed.
5. Press  left or right to select the desired ring tone.
6. Press  to **Save** and exit.

## Alert Notification

Your Sprint PCS Phone can alert you with an audible tone when you change service areas, once a minute during a voice call, or when a call has been connected or disconnected.

The different actions available are:

- **Minute beep:** An alert tone is sounded every minute that you are connected.
- **Connect tone:** An alert tone is sounded when you are initially connected.
- **Signal fade tone:** An alert is sounded when disconnected due to the signal being lost.

To enable or disable alert sounds:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Phone Settings** and press .
5. Highlight **Beep/Alert** and press .
6. Press  down to select the following:
  - **Minute Beep**
  - **Connect Tone**
  - **Signal Fade Tone**



7. Press  left or right to select **On** or **Off**.
8. Press  to **Save** and exit.

## Profiles

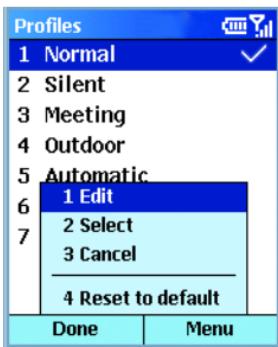
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A profile contains all the information associated with the volume settings and levels of your phone. It is responsible for ringers, alarms, notifications, and system sounds. There are seven profiles that are included and have the ability to be edited to your desired settings. The profiles are as follows:

- **Normal:** This profile is the default setting that is selected when you first power up the phone.
- **Silent:** This profile is set up to silence all ringers or notification alerts associated with the phone.
- **Meeting:** This profile has lowered the levels of the notification alerts and turned the ringer to vibrate. This profile is used for a meeting environment or quiet settings.
- **Outdoor:** This profile raises the volume levels to maximum for loud or outdoor settings.
- **Automatic:** This profile automatically switches between the normal and meeting profile when the calendar indicates that the current time is busy.
- **Headset:** This profile is automatically activated when a headset is plugged in to the phone.
- **Speakerphone:** This profile is used when your phone is being used as a speaker phone. All settings have been optimized for that environment.

## Editing a Profile

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Profiles** and press .
4. Press  up or down to highlight the desired profile and press  for **Edit**.



5. Press  up or down to select the desired settings. (Once the setting is selected, press  left or right to select the available choices.)
6. Press  when finished to **Save** and exit.
7. Press  to return to the main menu.

# Display Settings

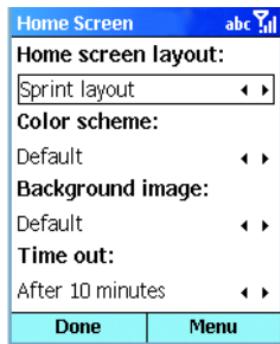
## Home Screen

These options allow you to configure the display settings for the home screen. These settings include:

- **Home Screen Layout:** This option allows you to choose between five different layout designs that are displayed on the screen.
- **Color Scheme:** This option allows you to select between the Default and Spiral color schemes. Additional color schemes can be installed by downloading the Microsoft Smartphone Theme Generator.
- **Background Image:** This option allows you to select a background image. To install additional images, download the Microsoft Smartphone Theme Generator.
- **Time Out:** This option allows you to set the amount of time before the screen turns off with the flip open.

To access the Home Screen options:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Home Screen** and press .



4. Select the desired option by pressing  up or down.
5. Press  left or right to select the desired setting for the highlighted option.
6. Press  to **Save** and exit.

## Power Management

The power management allows you to configure options associated with the amount of time the display is lighted and the brightness level of the screen. These settings include:

- **Brightness Level:** this option allows you to select the desired level of screen brightness. The available settings are **Super Bright**, **High Bright**, **Medium Bright**, **Low Bright**, and **Power Save**. The higher the brightness, the more battery power required. Brighter settings will reduce battery charge quicker than lower brightness settings.
- **Backlight:** this option allows you to configure the amount of time the backlight stays on when there is no activity. The available settings are **Flip open**, **10 seconds**, **30 seconds**, **1 minute**, **2 minutes**, **3 minutes**, **4 minutes**, or **5 minutes**.
- **Power Save Mode:** this option allows you to configure the time settings for power save mode feature. The available settings are **Never**, **1 minute**, **2 minutes**, **3 minutes**, **4 minutes**, or **5 minutes**.
- **In-call Display:** this option allows you to configure the amount of time that the in-call screen is displayed. The available settings are **Always on**, **10 seconds**, **30 seconds**, or **60 seconds**.

**To change the settings:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Power Management** and press .



4. Press  down to select the following:
  - **Brightness level**
  - **Backlight**
  - **Power save mode**
  - **In-call display**
5. Press  left or right to select the desired setting for the highlighted option.
6. Press  to **Save** and exit.

**Note:** Long backlight settings affect the battery's talk and standby times.

## Location Settings

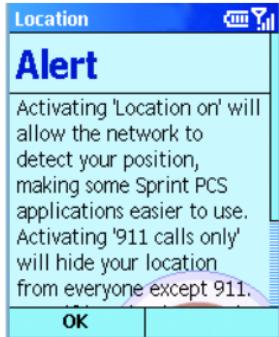
Your Sprint PCS Phone is equipped with a Location feature for use in connection with location-based services that may be available in the future.

The Location feature allows the network to detect your position. Turning Location off will hide your location from everyone except 911.

**Note:** Even if the Location feature is enabled, no service may use your location without your express permission.

**To enable your phone's Location feature:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Phone Settings** and press .
5. Highlight **Location** and press . (A brief Alert explanation will display. Use your navigation key to scroll through to read the entire text and press  when finished.)



6. Press  left or right to select **Location on** or **911 Calls only**.
7. Press  to **Save**.

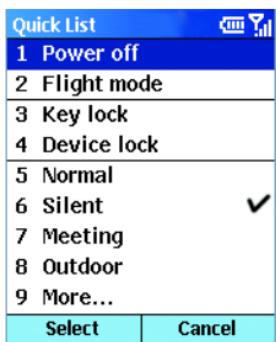
When the Location feature is on, your phone's standby screen will display the  icon. When Location is turned to **911 calls only**, the  icon will display.

## Quick List

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The quick list is a listing of commonly used phone related functions that can be accessed by pressing  on the side of your phone. The quick list contains the following options:

- **Power off**
- **Flight mode**
- **Key lock**
- **Device lock**
- **Normal**
- **Silent**
- **Meeting**
- **Outdoor**
- **Automatic**
- **Headset**
- **Speakerphone**



## Power Off

The Power Off feature allows you to turn off your phone without navigating through the menu structure. This option conserves your battery power when you do not plan on using your phone for extended periods of time.

**To turn the phone Off:**

1. Press  for **Quick List**.
2. Press  for **Power Off**.

**Note:** To power the device On after it has been powered Off, press .

## Flight Mode

Flight Mode allows you to use many of your phone's features, such as Calender, Voice Notes, etc., when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When your phone is in Airplane Mode, it cannot send or receive any calls or access online information. All incoming calls will be sent directly to your voicemail box.

**To set your phone to Flight Mode:**

1. Press  for **Quick List**.
2. Press  for **Flight Mode**.

**Note:** You can also press and hold  to launch Flight Mode.

While in Flight Mode, your phone's standby screen will display the phone off icon ( $\nabla_x$ ) in the upper right corner.

## Key Lock

This option allows you to lock the keypad to eliminate accidental key presses. Once the keypad is locked, you are required to unlock the device before you can use the keypad for dialing or navigation purposes.

**To lock the keypad:**

1. Press  for **Quick List**.
2. Press  for **Key Lock**.

**To unlock the keypad:**

1. Press  for **Unlock**.
2. Press  to complete the unlocking procedure.

## Speakerphone

This option allows you to view the speakerphone profile from the quick list when speakerphone is active.

**To turn the speakerphone On or Off:**

1. Press  for **Quick List**.
2. Press  for **More**.
3. Press  for **Speakerphone**.

-or-

► Press and hold .

## TTY Use With Sprint PCS Service

A TTY (also known as a TDD or Text Telephone), is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

When establishing your Sprint PCS Service, please call Sprint Customer Service via the state Telecommunications Relay Service (TRS) by first dialing  then provide the state TRS with this number: 866-727-4889.

**To turn TTY Mode on or off:**

1. Press  . (A brief explanation of TTY Mode will display.)
2. Press  left or right to select **On** or **Off** and press  to **Save** and exit.

**Note:**

If TTY mode is enabled, the audio quality of non-TTY devices connected to the headset jack may be impaired.

**IMPORTANT NOTICE:**

**911 Emergency Calling**

Sprint PCS recommends that TTY users make emergency calls by other means, including Telecommunications Relay Services (TRS), analog cellular, and land line communications. Wireless TTY calls to 911 may be corrupted when received by public safety answering points (PSAPs) rendering some communications unintelligible. The problem encountered appears related to TTY equipment or software used by PSAPs. This matter has been brought to the attention of the FCC, and the wireless industry and PSAP community are currently working to resolve this.

# Setting Your Phone's Security

### In This Section

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- ◆ **Accessing the Security Menu**
- ◆ **Using the Phone Lock Feature**
- ◆ **Using Emergency Numbers**
- ◆ **Resetting Your Phone**
- ◆ **Initializing Your Phone**
- ◆ **Security Features for Sprint PCS Vision<sup>SM</sup>**

---

**By using the security settings on your Sprint PCS Phone, you receive peace of mind without sacrificing flexibility.** This section will familiarize you with your phone's security settings. With several options available, you can customize your phone to meet your personal needs.

## Accessing the Security Menu

---

All of your phone's security settings are available through the Security menu. You must enter your lock code to view the Security menu. The available options are:

- **Enable/Disable Phone Lock:** This option allows you to prevent accidental calls by locking your phone if it has not been used after a set amount of time. To unlock your phone, simply enter your password.
- **Emergency Numbers:** This option allows you to assign up to three emergency numbers that you may call even if your phone is locked. The default numbers are 911, \*911, and #911.
- **Phone Reset:** This option is used to perform a soft reset to your phone. All personal information is erased, including the ActiveSync partnership information used to synchronize your phone and desktop or laptop computer. You must enter a password before resetting your phone. The default password is the last four digits of your phone number. (See "Resetting Your Phone" on page 48.)
- **Initialize Memory:** This does a reload of the software from ROM, but does NOT erase the MIN/MSID or Custom NAI information. It DOES erase ALL applications or data installed/entered in the handset. This is useful in case a bad application gets loaded on the handset, or in the case of an application or its data becoming corrupt.

To access the Security menu:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .

# Using the Phone Lock Feature

---

## Locking Your Phone

When your phone is locked, you can receive incoming calls, make outgoing emergency calls to 911, contact Sprint Customer Service, or dial numbers saved in the emergency numbers list. No other functions are available.

**To lock your phone:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .
4. Highlight **Enable Phone Lock** and press .
5. Press  left or right to select the desired amount of time before the phone automatically locks.
6. Press  down to highlight the **Password** field and enter a new password using the keypad.
7. Press  down again to highlight the **Confirm Password** field and re-enter the password again with the keypad.
8. Press  to save and exit.

## Unlocking Your Phone

**To unlock your phone:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .
4. Highlight **Disable Phone Lock** and press .
5. Enter your lock code and press .

## Calling in Lock Mode

You can place calls to 911 and to your special numbers when in lock mode. (For information on special numbers, see “Using Emergency Numbers” on page 47.)

**To place an outgoing call in lock mode:**

- ▶ To call an emergency number, enter the phone number and press .

## Using Emergency Numbers

---

Emergency numbers are important numbers that you have designated as being “always available.” You can make and receive calls from emergency numbers even if your phone is locked.

You can save up to three emergency numbers in addition to your Contacts entries.

**To add or replace an emergency number:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .
4. Press  for **Emergency Numbers**.
5. Highlight the **Number 1, 2, or 3** field and enter the number using the keypad.
6. Press  to save and exit.

**Note:** Changing or modifying emergency numbers requires a soft reset when finished.

**Note:** There are no Speed Dial options associated with emergency numbers.

## Resetting Your Phone

---

Resetting the phone performs a soft reset and restores all the factory defaults, including the ringer types and display settings. No data is erased on the device.

**To reset your phone:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .
4. Press  for **Phone Reset**.
5. Enter your password. (See "Locking Your Phone" on page 46 for details on setting your password.)
6. Press  to reset.

## Initializing Your Phone

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Initializing your phone reloads the software from ROM, but does not erase the MIN/MSID or custom NAI information. It does erase all applications or data installed/entered in the handset. This is useful when a corrupted application is loaded on the device, or when an application or its data becomes corrupted.

**To reset your phone:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Security** and press .
4. Press  for **Initialize Memory**.
5. Enter your password. (See "Locking Your Phone" on page 46 for details on setting your password.)
6. Press  to initialize.

## Enabling Sprint PCS Vision Services

You can enable Sprint PCS Vision services to access all Sprint PCS Vision services, including Web and messaging. Enabling Sprint PCS Vision will include any charges associated with Sprint PCS Vision services. While signed in, you can place or receive phone calls, check voicemail, and use other voice services. You must logout of Sprint PCS Vision services to avoid airtime charges while using your phone. To disconnect, press .

**To enable Sprint PCS Vision services:**

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **Vision** and press .
4. Press   for **Enable Vision**.

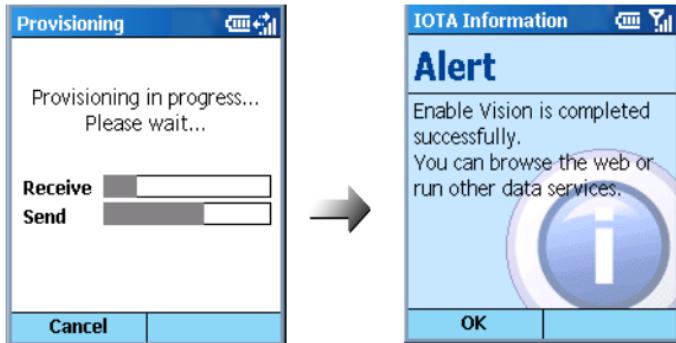
## Updating Your Sprint PCS Vision Profile

The data profile keeps all your user name and login information which allows you to connect to Sprint PCS Vision services. It may become necessary to update your profile to maintain peak efficiency.

### To update your profile:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **Vision** and press .
4. Press   for **Update Profile**.

Your phone will connect to the browser and update your Vision profile. During this process, the provisioning screen displays "Provisioning in progress...Please wait.". This process usually takes 2-3 minutes to complete. When finished, the idle screen is displayed.



# Controlling Your Roaming Experience

### In This Section

---

- ◆ **Understanding Roaming**
- ◆ **Setting Your Phone's Roam Mode**
- ◆ **Controlling Roaming Charges Using Call Guard**

---

**Roaming is the ability to make or receive calls when you're off the Sprint Nationwide PCS Network.** Your phone is digital dual-band, which means you can make and receive calls while on the Sprint Nationwide PCS Network. You can also roam on other digital networks where we've implemented roaming agreements with other carriers. To learn more about roaming, visit [www.sprintpcs.com](http://www.sprintpcs.com).

This section explains how roaming works as well as special features that let you manage your roaming experience.

# Understanding Roaming

## Recognizing Icons on the Display Screen

Your phone's display screen always lets you know when you're off the Sprint Nationwide PCS Network and whether your phone is operating in analog or digital mode. The following chart indicates what you'll see depending on where you're using your phone.

### Digital Roaming Indicator

Sprint Nationwide PCS Network

Other Digital Networks



**Tip:** Remember, when you are using your phone off the Sprint Nationwide PCS Network, always dial numbers using 11 digits (1 + area code + the phone number).

**Note:** Unless your PCS Service Plan includes roaming, you will pay a higher per-minute rate for roaming calls.

## Roaming on Other Digital Networks

When you're roaming on digital networks, your call quality and security will be similar to the quality you receive when making calls on the Sprint Nationwide PCS Network. However, you may not be able to access certain features, such as Sprint PCS Vision.

## Checking for Voicemail Messages While Roaming

When you are roaming off the Sprint Nationwide PCS Network, you may not receive on-phone notification of new voicemail messages. Callers can still leave messages, but you will need to periodically check your voicemail for new messages if you are in a roaming service area for an extended period of time.

**To check your voicemail while roaming:**

1. Dial 1+area code+your Sprint PCS Phone Number.
2. When you hear your voicemail greeting, press .
3. Enter your pass code at the prompt and follow the voice prompts.

When you return to the Sprint Nationwide PCS Network, voicemail notification will resume as normal.

## Setting Your Phone's Roam Mode

---

Your Sprint PCS Phone allows you to control your ability to roam off the Sprint Nationwide PCS Network. By using the **Roaming** menu option, you can configure your phone to work on the Sprint PCS Network only or select Automatic which switches to another digital network when outside your coverage area.

### Set Mode

Choose from three different settings on your phone to control your roaming experience.

**To set your phone's roam mode:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Phone Settings** and press .
5. Press  for **Roaming**.

6. Press  left or right to select the desired setting.
  - **Automatic:** This setting seeks Sprint PCS Service. When Sprint PCS Service is unavailable, the phone searches for an alternate digital system.
  - **Sprint PCS:** This setting allows you to access the enhanced Sprint Nationwide PCS Network only and prevents roaming on other networks.
7. Press  to **Save** and exit.

# Navigating Through Menus

### In This Section

---

- ◆ **Menu Navigation**
- ◆ **Menu Structure**
- ◆ **Viewing the Menus**

---

**Every function and feature of your SP-i600 by Samsung can be accessed through an on-screen menu.** This section is a road map to using your Sprint PCS Phone. Please take a few moments to learn your way around and you'll find your phone easier to use.

## Menu Navigation

---

The navigation key on your Sprint PCS Phone allows you to scroll through menu options quickly and easily. You can also press the number that corresponds with the desired option using the keypad.

If you want to return to the home screen, simply press  at any time. Also notice that the last application or menu that was being used can automatically be accessed using the icons located on the top of the main screen. The last application icon is positioned first in line, located on the left.

## Menu Structure

---

The menu structure is based on the Microsoft Smartphone Operating System. This allows you to synchronize your phone with a desktop or laptop computer using the ActiveSync application. Calendar entries, e-mail messages, etc., easily can be transferred to the device using ActiveSync.

The main screen is called the Home screen. When the Home screen is displayed, you can see any various types of information displayed on the screen, including missed calls, voicemail notification, time and date, profile being used, etc.

When you press , the Start menu is displayed. The Start menu contains the applications that are installed on your phone. This includes settings and other various features unique to your phone.

# Viewing the Menus

---

## Menu Diagram

The following list outlines your phone's menu structure:

### Start Screen

To access the following menu options, press  for the **Start** menu and  for **Menu**.

### Add Speed Dial

**Sync All** - Must be in **Sync Cradle** for this option.

### Inbox

To access the following menu options, press .

#### Delete

#### Reply

#### Reply All

#### Forward

#### Move

#### Mark as Read/Unread

#### Mark for Download

#### Options

#### Send/Receive

### Accounts/Folders

Press  to select highlighted message type. Press  to display the following options:

### SMS

- Insert Contact
- Insert Text
- Insert Recording
- Message Options
- Postpone Message
- Send Message

Cancel Compose

### **ActiveSync**

- Insert Contact
- Insert Text
- Insert Recording
- Message options
- Postpone Message
- Send Message
- Cancel Compose

## **Contacts**

To access the following menu options, press .

**New Contact**

**Delete**

**Beam Contact**

**Filter**

- No Filter
- Business
- Miscellaneous
- Personal

Press  to create a **New** contact. To display the following options, press .

**Insert Pause**

**Insert Wait**

**Cancel**

## **Calendar**

To access the following menu options, press .

**New**

**Delete**

**Week View**

**Month View**

**Go to Today**

**Go to Date**

## **Options**

Press  for **Week**. To display the following options, press .

**New**

**Agenda View**

**Month View**

**Go to Today**

**Go to Date**

## **Options**

Press  for **Month**. To display the following options, press .

**New**

**Agenda View**

**Week View**

**Go to Today**

**Go to Date**

## **Options**

## **Internet Explorer**

To access the following menu options, press .

**Address Bar**

**Add Favorite**

**Add Folder**

**Edit**

**Delete**

## **Options**

General  
Connections  
Memory

Press  for **Go**. To display the following options, press .

## **Address Bar**

**Stop/Refresh**

**Add Favorite**

## **Favorites**

### **Layout**

- One Column
- Default
- Desktop

## **Properties**

### **Options**

- General
- Connections
- Memory

## **ActiveSync**

To access the following menu options, press .

### **Options**

- Mobile Schedule
- PC Settings
- Server Settings
  - Inbox
  - Calendar
  - Contacts
  - Connection
  - Conflicts

## **Connect via IR**

## **Call History**

To access the following menu options, press .

### **Find Contact**

### **E-mail**

### **View Timers**

### **Delete**

### **Delete List**

### **Save to Contacts**

## **Filter**

- No Filter
- Missed Calls
- Incoming Calls
- Outgoing Calls

## **MSN Messenger**

To access the following menu options, press .

### **Passport Account**

#### **Edit My Text**

- Yes.
- No.
- I can't talk right now.
- I'll be right there.
- I'm running late.
- Where are you?
- :-)
- :-{
- Call me later.

## **Settings**

### **Call Options**

### **Sounds**

### **Profiles**

- Normal
- Silent
- Meeting
- Outdoor
- Automatic
- Headset
- Speakerphone

### **Home Screen**

### **Date and Time**

### **Power Management**

### **Security**

- Enable Phone Lock
- Emergency Numbers
- Phone Reset
- Initialize Memory

### **Phone Information**

### **More...**

- About
- Accessibility
- Beam
- Certificates
  - Personal
  - Root
    - Thawte Server CA
    - Thawte Premium Server
    - Secure Server Certificate
    - GTE CyberTrust Root
    - GTE CyberTrust Global
    - GlobalSign Root CA
    - Entrust.net Secure Server
    - Entrust.net Certification
    - More...
    - Class 3 Public Primary
    - Class 2 Public Primary
    - Equifax Secure Certification
- Data Connections
- Owner Information
- Phone Settings
  - Roaming
  - Location
  - Beep/Alert
  - Others
- Regional Settings
- More...
- Remove Programs

## More...

### Audible Player

To access the following menu options, press .

- Play/Stop
- Fast Forward/Rewind
  - Fast Forward 10 seconds
  - Fast Forward 1 minute
  - Fast Forward 10 minutes
  - Fast Forward 1 hour
  - Rewind 10 seconds
  - Rewind 1 minute
  - Rewind 10 minutes
  - Rewind 1 hour
- Skip
  - Next Section
  - Previous Section
- Bookmarks
  - Add Bookmark
  - Edit Bookmarks
- Preferences
- Audible Player Skins
- Help
- About Audible Player
- Exit

## Express PageOne

### Get Biz Conn

### Pocket MSN

To access the following menu options, press .

- Address Bar
- Refresh
- Add Favorite
- Favorites
- Layout
  - One Column
  - Default
  - Desktop
- Properties
- Options
  - General
  - Connections
  - Memory

### Smart Explorer

To access the following menu options, press .

- Open
  - Open
  - Open with...
  - Run
  - Manage file types
- New
  - File...
  - Folder...
- Rename
- Delete
  - Current file/folder...
  - Items in selection
- Properties
- Send & Receive
  - Send file by e-mail...
  - Send file by IrDA...
  - Send sel. by IrDA...
  - Receive from IrDA...
- Zip/Unzip
  - Zip selection...
  - Zip sel. and mail...
  - Unzip here
  - Unzip to...
  - Check zip association
- Quit

### Software Store

### Speed Dial

To access the following menu options, press .

- Run
- Find Contact
- Delete
- Filter
  - No Filter
  - Speed Dial

## Tasks

**More**

## Vision

To access the following menu options, press .

- Enable Vision
- Update Profile

## Voice Notes

To access the following menu options, press .

- Play
- Record
- Rename
- Delete

## Voice Signal

### Voice Signal Setup

- Record Names
- Review Names
- Adapt Digits
- Erase
- Open<App>Editor
- Voice Settings
- Update Contacts

## Windows Media

To access the following menu options, press .

- Local Content
- Favorites
- Open URL
- Properties
- Settings
- Delete

## Accessories

- Calculator

To access the following menu options, press .

- Add
- Subtract
- Multiply
- Divide
- Decimal Point
- Equals

### **Games**

Jawbreaker

To access the following menu options, press .

- Undo
- New Game
- Statistics
- Options
- About

Solitaire

To access the following menu options, press .

- New Game
- Draw

### **InUse Menu**

To access the following menu options, press .

- End**
- Mute/Unmute**
- Save to Contacts**
- Speakerphone/Speakerphone Off**

# Managing Call History

### In This Section

---

- ◆ **Viewing Call History**
- ◆ **Call History Options**
- ◆ **Making a Call From Call History**
- ◆ **Call History Filter**
- ◆ **Saving a Contact From Call History**
- ◆ **Deleting Call History**

---

**The Call History keeps track of incoming calls, calls made from your Sprint PCS Phone, and missed calls.** This section guides you through accessing and making the most of your Call History.

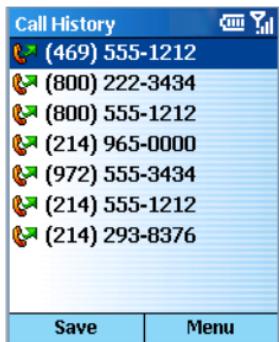
## Viewing Call History

You'll find the Call History feature very helpful. It is a list of the last phone numbers (or Contacts) for calls you placed, accepted, or missed. Call History makes redialing a number fast and easy. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Each entry contains the phone number (if it is available) and Contacts entry name (if the phone number is in your Contacts). Duplicate calls (same number and type of call) may only appear once on the list.

To view a Call History entry:

1. Press  for **Start**.
2. Highlight **Call History** and press .



3. To view the entry call information, highlight it and press .

## Call History Options

---

For additional information and options on a particular call, highlight a Call History entry and press . This feature displays the time and date of the call. By pressing , you can select from the following options:

- **Find Contact**
- **E-mail**
- **View Timers**
- **Delete**
- **Delete List**
- **Save to Contacts**
- **Filter**

No Filter  
Missed Calls  
Incoming Calls  
Outgoing Calls

## Making a Call From Call History

---

To place a call from Call History:

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Press  up or down and highlight the entry you want to call.
4. Press  to dial the number.

## Call History Filter

---

The default settings for call history list all incoming, outgoing, and missed calls in the call history screen. You can filter the list to display one of the following:

- **No Filter:** Allows you to display all calls in the call history list.
- **Missed Calls:** Allows you to display on the calls that were missed in the call history list.

- **Incoming Calls:** Allows you to display only incoming calls in the call history list.
- **Outgoing Calls:** Allows you to display only outgoing calls in the call history list.

To set your Call History filter:

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Press   for **Filter**.
4. Press  up or down to select the desired filter.

## Saving a Contact From Call History

---

Your Sprint PCS Phone can store thousands of Contacts. Contact entries can store up to a total of 11 phone numbers, and each entry's name can contain up to 256 characters.

To save a phone number from Call History:

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Highlight the desired entry and press  for **Save**.
4. Press  for **New Item**.
5. Enter the **First name** of the contact using the keypad.
6. Press  down and enter the **Last name** of the contact.
7. Press  down and select the desired label for the contact number.
8. Press  to insert the number into the contact label.
9. Press  to save and return to the Call History list.

## Deleting Call History

---

This option allows you to delete selected entries saved in the Call History list.

**To erase a single Call History entry:**

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Press  down to select the desired call entry.
4. Press  for **Delete**.
5. Press  for **Yes** or  for **No**.

**To delete the entire Call History list:**

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Press  for **Delete List**.
4. Press  for **Yes** or  for **No**.

# Using Contacts

### In This Section

---

- ◆ **Adding a Contact Entry**
- ◆ **Finding Contact Entries**
- ◆ **Adding a Phone Number to a Contact Entry**
- ◆ **Editing a Contact Entry's Phone Number**
- ◆ **Assigning Speed Dial Numbers**
- ◆ **Selecting a Ringer Type for a Contact**

---

**Now that you know the basics that make it easier to stay in touch with people and information, you're ready to explore your phone's more advanced features.** This section explains how to use your phone's Contacts directory and helps you make the most of your contacts and time when you are trying to connect with the important people in your life.

## Adding a New Contact Entry

---

Your PCS Phone can store thousands of Contact numbers. You can also store contacts on the optional SD card inserted into the side of the handset. Contact entries can store up to a total of 11 phone numbers, and each entry's name can contain up to 256 characters. In addition to phone numbers, you can also save e-mail addresses, home address....(See "Saving a Contact" on page 24 for more details).

### To add a new contact:

1. Enter a new phone number and press  for **Save**.
2. Press  for **New Item**.
3. Enter the **First name** of the contact using the keypad.
4. Press  down and enter the **Last name** of the contact.
5. Press  down to highlight the desired number label and press  to insert the number automatically into the label field.
6. Enter the other desired information for the contact and press  to save and exit.

## Finding Contact Entries

---

This feature allows you to search for contact names saved in your phone by entering numbers. When searching, you must enter the digits and then press the navigation key down to select the area under the phone number. The smart dialing feature automatically narrows down the choices of available matches.

### To find a contact:

1. Begin entering the digits of the phone number you wish to call.
2. A list of possible matches is automatically displayed in the window.
3. Press  down to select the desired match and press  to call.

## Adding a Phone Number to a Contact Entry

---

You can add up to 11 different phone numbers to an existing contact entry. You can also include other specific information to the entry, including:

- Up to 3 e-mail addresses
- Categories
- Web page
- Custom ring tone
- Job title
- Department
- Company
- Office address street
- Home address street
- Notes
- Birthday
- Anniversary
- Spouse
- Children
- Assistant

To add a phone number to an entry:

1. Press  for **Start**.
2. Highlight **Contacts** and press .
3. Press  down until the desired contact is highlighted and press  to select.
4. Press   for **Edit**.
5. Press  down until the desired number label is selected and enter the new phone number using the keypad.
6. Press  to save and exit.

## Editing a Contact Entry's Phone Number

---

To edit an entry's phone number:

1. Press  for **Start**.
2. Highlight **Contacts** and press .
3. Press  down until the desired contact is highlighted and press  to select.
4. Press   for **Edit**.
5. Press  down until the desired number label is selected.
6. Press and hold  to erase the entire number.
7. Enter the new number using the keypad.
8. Press  to save and exit.

## Assigning Speed Dial Numbers

---

Your phone can store up to 99 speed dial locations. For details on how to make calls using speed dial numbers, see “Using One-Touch/Two-Touch Speed Dialing” on page 26.

Speed dial numbers can be assigned when you add a new Contacts entry, when you add a new phone number to an existing entry, or when you edit an existing number.

To assign a Speed Dial number to an existing contact:

1. Press  for **Start**.
2. Highlight **Contacts** and press .
3. Press  down until the desired contact is highlighted and press  to select.
4. Press   for **Add Speed Dial**.
5. Press  down to highlight Keypad assignment. (Press  or  until the desired speed dial number is selected.)
6. Press  to save and exit.

## Selecting a Ringer Type for a Contact

---

You can assign a ringer type to a Contacts entry so you can identify the caller by the ringer type. (See “Ringer Types” on page 31.)

**To select a ringer type for an entry:**

1. Press  for **Start**.
2. Highlight **Contacts** and press .
3. Press  down until the desired contact is highlighted and press  to select.
4. Press   for **Edit**.
5. Press  down until **Custom ring tone** is selected.
6. Press  left or right to select the desired ring tone.
7. Press  to **Save**.

# Calendar

### In This Section

---

- ◆ **Using Your Phone's Calendar**
- ◆ **Date and Time**
- ◆ **Accessories and Game Folder**

---

**Your Sprint PCS Vision Smart Device is equipped with several personal information management features that help you manage your busy lifestyle.** This section shows you how to use these features to turn your phone into a time management planner that helps you keep up with your contacts, schedules, and commitments. It takes productivity to a whole new level.

# Using Your Phone's Calendar

---

## Adding an Event to the Calendar

Your Calendar helps organize your time and reminds you of important events.

To add an event:

1. Press  for **Start**.
2. Highlight **Calendar** and press .
3. Press   for **New**.
4. Enter the event **Subject** using the keypad.
5. Press  down and enter the **Start date** and **Start time** using the keypad. (Press  for AM or  for PM.)
6. Press  down and enter the **End date** and **End time** using the keypad.
7. Press  down and select **All day event** if desired.
8. Press  down and enter the **Location** of the event using the keypad.
9. Press  down to highlight **Reminder**.
10. Press  left or right and select one of the following:
  - **None**
  - **1 minute**
  - **5 minutes**
  - **10 minutes**
  - **15 minutes**
  - **30 minutes**
  - **1 hour**
  - **1 day**
  - **1 week**
11. Press  down to highlight **Occurs**.

12. Press  left or right and select one of the following:
  - **Once**
  - **Every Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, or Sunday (day event is scheduled)**
  - **Day of every month (day event is scheduled)**
  - **Every Month Day (yearly day of event scheduled)**
13. Press  down to highlight **Status**.
14. Press  left or right and select one of the following:
  - **Free**
  - **Tentative**
  - **Busy**
  - **Out of Office**
15. Press  down and select **Private** if desired.
16. Press  down to select **Notes** and enter any notes regarding the event using the keypad.
17. Press  to save and exit.

## Event Alerts

There are several ways your Sprint PCS Phone alerts you of scheduled events:

- By displaying a **Reminder** screen.
- By periodically playing a desired ring tone until dismissed.

To select the ringer:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Sounds** and press .
4. Press  down to highlight **Reminders**.
5. Press  left or right to select the desired ring tone.
6. Press  to save and exit.

## Viewing Events

To view your scheduled events:

1. Press  for **Start**.
2. Highlight **Calendar** and press .

## Deleting Events

To delete individual events:

1. Press  for **Start**.
2. Highlight **Calendar** and press .
3. Highlight the event being deleted.
4. Press   for **Delete**.
5. Press  for **Yes** or  for **No**.

## Date and Time

---

To set your Time and Date preferences:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **Date and Time** and press . The following options are displayed:
  - **Time zone**: Allows you to select the time zone that matches the location of your phone. By default, the Eastern time zone is selected.
  - **Date**: Allows you to set the date.
  - **Time**: Allows you to enter the time.
  - **Alarm**: Turns the alarm clock feature On or Off.
  - **Alarm time**: Configures the time the alarm clock will sound the alert.
4. Select an option and press  to save and exit.

## Alarm Clock

Your phone comes with a built-in alarm clock which allows you to set a specific time and date for the alarm to sound.

To use the alarm clock:

1. Press  for **Start**.
2. Highlight **Settings** and Press .
3. Highlight **Date and Time** and press .
4. Press  down and highlight **Alarm**.
5. Press  left or right to select **On**.
6. Press  down to highlight **Alarm Time** and enter the time using the keypad. (Press  for AM or  for PM.)
7. Press  to save and exit.

## Accessories and Games Folder

---

The accessories and games folder contains the calculator and any games that were downloaded into the phone using the Sprint Software Store (Handango) or other sources.

## Using the Calculator

Your phone comes with a built-in calculator.

To use the calculator:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Accessories** and press .
5. Highlight **Calculator** and press .
6. Enter a number with the keypad. (Press  to insert a decimal point and/or  to make the number negative or positive.)

7. Press  to select a mathematical function:
  - **Left to Divide**
  - **Right to Multiply**
  - **Up to Add**
  - **Down to Subtract**
8. Enter the next number using the keypad.
9. Press  to view the results.

## Games

To access the games on your phone:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Games** and press .
5. Press  up or down to highlight the desired game and press  to play.

**Note:**

You can also download games to your Sprint PCS Vision Phone.  
(See "Games" on page 129.)

# Using Your Phone's Voice Services

## In This Section

---

- ◆ **Activating Voice Recognition**
- ◆ **Using Digit Dial**
- ◆ **Using Quick Dial**
- ◆ **Using Name Dial**
- ◆ **Using Name Lookup**
- ◆ **Using Open Application**
- ◆ **Managing Voice Notes**

---

**Your Sprint PCS Phone's Voice Services allow you place calls and open phone applications using your voice, as well as record, play back, and manage voice notes.** This section includes easy-to-follow instructions on using your phone's voice services.

## Activating Voice Recognition

---

Voice recognition allows you to say commands to perform common functions supported by your phone. There is no voice training required to use the voice recognition feature. You simply say the pre-designated command displayed on your screen in a normal tone of voice to perform the desired function.

**Note:**

You can also access voice recognition using the menu by pressing  for **Start**, highlight **More** and press , highlight **More** again and press , highlight **Voice Signal** and press .

### To activate voice recognition:

1. Press and hold . (The phone prompts you to say a voice command.)
2. Wait for the beep and then say one of the following commands:
  - **Digit Dial**
  - **Name Dial**
  - **Quick Dial**
  - **Name Lookup**
  - **Open <App>**

When it recognizes one of these commands, the phone launches the associated application. If the phone does not hear a command within approximately eight seconds, it de-activates voice recognition without taking any action.

## Using Digit Dial

---

Digit Dial allows you to dial any valid 7 or 10 digit North American phone number by speaking the number naturally, without pausing between the digits.

Tips for using Digit Dial:

- Digit Dial works best in quieter environments.
- When saying a number, speak at a normal speed and say each digit clearly. There is no need to pause between digits.
- The phone recognizes the digits one, two, three, four, five, six, seven, eight, nine, zero, and oh. The phone does not recognize numbers such as "one eight hundred" for "1-800." Instead, say "one-eight-zero-zero."
- The phone recognizes only valid 7 or 10 digit North American phone numbers.
- If your phone does not usually recognize you correctly when you are using Digit Dial, try adapting Digit Dial to your voice, which can significantly improve accuracy for some speakers. (See "Adapting Digit Dial" on page 85 for details.)

To place a call using Digit Dial:

1. Activate voice recognition by pressing and holding . (The phone prompts you for a command.)
2. Say **Digit Dial**. (The phone prompts you to say the number.)
3. Say a valid 7 or 10 digit North American phone number naturally and clearly.

**Note:**

If desired, you can say the number "1" before the area code. This is not required; the call is made both ways.

4. If the phone asks you, "Did You Say," followed by the correct number, say **Yes**. (You can also select the correct number from those displayed on the screen by pressing  on the correct number. The phone will then dial the number.)

5. If the phone asks you, "Did You Say," followed by an incorrect number, say **No**. (If there are other alternatives, the phone will prompt you with the next one. You can also press the navigation key up or down to select the correct number from the Choice List, and then press  to dial.)

**Note:**

In some cases, the phone might ask you to repeat a number. Make sure that the number is a valid 7 or 10 digit North American phone number, and then say the number again. If the number isn't valid, or if the phone still doesn't understand the number on the second try, it will not place the call.

## Enabling/Disabling Digit Dial Choice Lists

You can customize whether the Digit Dial feature displays the list of top voice recognition choices or automatically dials the first number, without displaying a choice list.

To enable or disable choice lists for Digit Dial:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Voice Settings**.
6. Press  for **Choice List**.
7. Highlight **Digit Dial** and press  to place a check mark in the box.

## Adapting Digit Dial

Digit Dialing is speaker independent, which means that no training or adaptation is required. Some users with heavy accents or unusual voice characteristics may find difficulty in achieving high accuracy with speaker independent Digit Dialing, so the Adapt Digits feature allows users to dramatically improve the digit accuracy through adaptation. Users who get acceptable digit recognition accuracy will find no additional benefit to performing the Adapt Digit adaptation.

After you adapt Digit Dial, your phone will be customized to your voice. Other people will not be able to use Digit Dial on your phone unless they reset the phone to factory defaults.

**Note:**

ONLY adapt Digit Dial if the system is frequently mis-recognizing your speech. You can always restore the system to its original factory setting.

Adaptation involves recording several digit sequences to teach the system your voice. The adaptation process takes about 3 minutes.

Tips for adapting Digit Dial:

- Adapt digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, but say each digit sequence naturally.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, you can say or select **No** when the prompt asks, "Did the recording sound OK?" You will then be prompted to re-record the sequence.

To adapt Digit Dial to your voice:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Adapt Digits**.
6. When you are ready to start recording, press . (The phone prompts you to say the first sequence of digits.)
7. Wait for the beep, and then repeat the digits using a normal tone of voice. (The phone plays back your recording and asks you if the recording sounds "OK.")
  - If the recording sounds OK (no mistakes and no background noises), say **Yes**.
  - If you need to re-record the digits to fix any problems, say **No**. (The phone then prompts you to say the digits again.)
8. Wait for the beep, and then record the digits again. (Repeat this step until you are satisfied with the recording.)
9. After confirming that the recording sounds OK, repeat the recording process with the next set of digits. (After six sets of digits, the phone will ask you whether you want to do more adaptation. Answer **Yes**.)

10. Repeat steps 4-7 for another six sets of digits. (After the sixth set of digits, you will be half-way through the session and the phone will ask “More Adaptation?”)
11. Select **OK** to continue for six more sets of digits, or press  for partial adaptation. When you are finished with a full session, you will reach a screen that reads, “Adaptation Complete.”

**Note:**

It is recommended that you perform the complete adaptation of Digit Dial at least once to achieve the maximum benefit of this feature. If a partial adaptation is performed, you can always return later and resume the process from the half-way point.

## Resetting Digit Dial Adaptation

To erase any adaptation and reset Digit Dial to its original state:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Erase**.
6. Press  for **Reset Digits**.
7. Press  to select **Yes** or  for **No**.
8. Press  to save and exit.

# Using Quick Dial

---

The quick dial feature allows you to train your phone to dial numbers in your contacts by assigning a special name to the entry. Once the name is recorded, you can say the name and dial the contact entry without having to repeat the entire name as saved in the contact listing.

## Quick Dial Training

Before you can use the quick dial feature, you must train the software to recognize the entry in the contacts. To train the software, you are required to go through the contacts and record the desired name using your own voice. Make sure this is done in a quiet environment to avoid outside interference.

To train quick dial:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Record Names**.
6. Select the alphabetical contact range using the keypad.
7. Press  down to highlight the desired contact name.
8. Press  for **Train**.
9. Say the name clearly into the microphone.
10. Press  if the recording sounded OK or  to re-record the name.
11. Press  to save and exit.

## Using Quick Calling

Quick Dial is a menu function of the voice activated dialing feature of your phone.

### To quick call a contact:

1. Press and hold  . (The phone prompts you to say a voice command.)
2. Say **Quick Dial**.
3. When prompted, say the contact entry name exactly as trained.

## Using Name Dial

---

For best results with Name Dial, enter first and last names in your Contacts, avoid using abbreviations, and make sure the names are spelled correctly. Name Dial automatically voice-activates every number in your Contacts without the need to record or "train" names before using them. With Name Dial, you can dial any person in your Contacts by saying that person's name.

### To place a call using Name Dial:

1. Press and hold  . (The phone prompts you to say a voice command.)
2. Say **Name Dial**. (The phone prompts you to say a name.)
3. Say the full name of the person you want to call, exactly as it is entered in your Contacts. (The phone plays the name through the earpiece and displays it on the screen.)
  - If the Contact contains only one number for the name, the phone automatically dials that number.
  - If the name that you spoke has more than one number associated with it, the phone displays the different locations (**Work, Mobile, Home, Car, Pager, Assistant, Radio, Work Two, Home Two**) and asks you which one to dial. Say one of the location names and the phone will dial the number for the location you specified.

## Enabling/Disabling Name Dial Choice Lists

You can customize whether the Name Dial feature displays a list of choices for names that sound alike, or brings up information for the first recognized name without displaying a choice list.

**To enable or disable choice lists for Name Dial:**

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Voice Settings**.
6. Press  for **Choice List**.
7. Press  for **Name Dial** and to place a check mark in the box. (When choice lists are enabled for Name Dial, after you say the name, the phone will display one or more names on the screen and prompt you to confirm the name you spoke.)
  - If the phone says, "Did you say," followed by the correct name, say **Yes**.
  - If the phone says, "Did You Say," followed by an incorrect name, say **No**. The phone will prompt you with the next name, if there is one. If there are no more names, the phone will say "Sorry, No Match Found," and will not place a call.

# Using Name Lookup

---

Name Lookup lets you retrieve information for any person in your contact list by saying the full name of the person.

**To retrieve information using Name Lookup:**

1. Activate voice recognition by pressing and holding . (The phone will prompt you for a command.)
2. Say **Contacts**. (The phone will prompt you to say the name.)
3. Say the full name of the person, exactly as it is entered in your Contacts. (The phone will play the name it recognized through the earpiece, and then open the contact information for that name.)

## Enabling/Disabling Name Lookup Choice Lists

You can customize whether the Name Lookup feature displays a list of choices for names that sound alike, or brings up information for the first recognized name without displaying a choice list.

**To enable or disable choice lists for Name Lookup:**

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Signal Setup** and press .
5. Press  for **Voice Settings**.
6. Press  for **Choice List**.
7. Press  for **Name Lookup** and to place a check mark in the box. (When choice lists are enabled for Name Lookup, after you say the name, the phone will display one or more names on the screen and prompt you to confirm the name you spoke.)
  - If the phone says, "Did You Say," followed by the correct name, say **Yes**.
  - If the phone says, "Did You Say," followed by an incorrect name, say **No**. The phone then prompts you with the next name, if there is one. If there are no more names, the phone will say "Sorry, No Match Found."

## Using Open Application

---

The Open Application feature allows you to open a core application installed on your handset by simply saying the name of the program. Once you say the name of the program, it will automatically launch and be available.

**To access Open <App>:**

1. Press and hold  . (The phone prompts you to say a voice command.)
2. Say **Open Contacts**. (Substitute any other core application name for Contacts to launch the program automatically.)
3. The Contacts screen is automatically displayed.

Say the application name exactly as it is entered in your Phone.

# Managing Voice Notes

You can use your phone's Voice Notes to record brief memos to remind you of important events, phone numbers, or grocery list items.

## Recording Voice Notes

To record a voice note:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Notes** and press .
5. Press  for **Record**. (The phone prompts you to start recording by sounding a beep.)
6. After the beep start speaking. (As it is recording, the phone displays a timer that indicates the length of the recording.)
7. To stop the note, press .

**Note:**

To access the voice notes screen quickly, you can also press and hold .

To rename a voice note:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Notes** and press .
5. Press   for **Rename**.
6. Delete the text and enter a new name using the keypad.
7. Press  to save and exit.

## Reviewing and Erasing Notes

To play the voice notes you have recorded:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **More** again and press .
4. Highlight **Voice Notes** and press .
5. Select a memo and press .

To erase an individual memo:

1. Follow the steps above to display the list of saved memos.
2. Select the memo to erase.
3. Press   for **Delete**.
4. Press  for **Yes** or  for **No**.

# Using Your Smartphone

## In This Section

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- ◆ **Using an Optional SD Card**
- ◆ **Beaming Information**
- ◆ **Managing Your Owner Information**
- ◆ **Managing Your Device's Certificates**
- ◆ **Configuring Data Connections**
- ◆ **Removing Programs**
- ◆ **Using an Optional Portable Keyboard**
- ◆ **Using AudiblePlayer**

---

Your SP-i600 by Samsung offers many new features that help you optimize your Smartphone experience. This section outlines how to use some of these features, including the optional SD card slot, beaming information via infrared, configuring data connections, connecting an optional portable keyboard, and using the AudiblePlayer to download and listen to audiobooks.

# Using an Optional SD Card

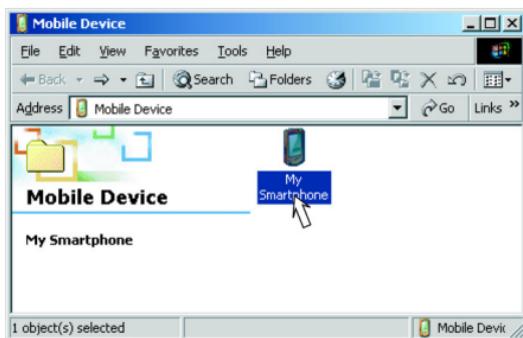
The slot located on the right side of the SP-i600 by Samsung accommodates an optional SD (secure digital) card. SD cards come in a variety of different storage sizes and they allow you to download and use additional applications and games by using the enhanced storage capacity of the card.

## Transferring Data to the SD Card

1. Insert the SD Card (label side up) into the slot of the Smartphone. (The beveled edge should be facing toward the top of the Smartphone.)
2. Insert your Smartphone into the desktop cradle and synchronize the Smartphone with your PC via ActiveSync. (See "Performing an ActiveSync Operation" on page 19.)
3. Open Windows Explorer and highlight the application, game, or folder that you wish to copy to the SD Card.
4. Highlight and copy the file(s) or folder(s) to your computer's clipboard.
5. Using the ActiveSync menu, click the **Explore** icon to open the **Mobile Device** folder.



- Double-click on the Smartphone folder.



- Double-click the Storage Card folder. (The contents of the SD Card are displayed.)
- Locate or create the folder or subfolder where you want to paste the files that you copied.
- Press **Ctrl-V** on your computer to paste the files or folders to the SD Card.

## Accessing the SD Card

Once you've transferred all the desired files from your computer to the SD Card using ActiveSync, you can access games or applications on the Smartphone.

For example, if you've transferred any multimedia files onto your SD Card that are compatible with Windows Media Player, simply open Windows Media Player from the Home Screen and select the media file that you wish to play. There is no need to look or browse your Smartphone for the SD Card. The SD Card is automatically recognized when it is installed.

## Removing the SD Card

- Press in on the card with your fingernail until you hear a click, then quickly release. (The card pops out of the slot approximately one quarter of an inch.)
- Grasp the exposed section of the card and pull it out with your fingers.

## Beaming Information

---

The Beaming function allows you to send or receive information via the Infrared (IR) port located on the top of the phone. The IR port is covered with a protected cover to prevent damage. When beaming information between two IR devices, hold them 3-4 inches apart with the two IR ports facing each other.

**To configure your phone to send or receive information via IR:**

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Beam** and press .
5. Press  to place a check mark or clear the **Receive incoming beams** checkbox.
6. Press  to save and exit.

## Beaming a Contact

Beaming allows you to send an entry saved in contacts to another IR enabled device.

**To beam a contact:**

1. Press  for Start.
2. Highlight **Contacts** and press .
3. Press  up or down to highlight the desired contact.
4. Press  for **Beam Contact**.
5. Align the two devices so that the IR windows are facing each other.
6. Follow the on-screen prompts to complete the transfer.

## Managing Your Owner Information

---

The Owner Information screen allows you to enter your Name, Telephone Number, e-mail address, and notes.

To access the owners information screen:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Owner Information** and press .
5. Use your keypad to enter the desired information. Press up or down to highlight the appropriate fields.
6. Press  when done to save and exit.

## Managing Your Device's Certificates

---

On your Smartphone, you can add or delete public key certificates. These certificates help establish your identity when you log in to a secure network, such as a corporate network. Certificates also help establish the identity of other computers, such as servers.

Certificates help prevent unauthorized users from accessing your device.

You can store two types of certificates on your phone:

- **Personal** certificates that establish your identity.
- **Root** certificates that establish the identity of servers with which you connect.

Your device includes a standard set of pre-installed certificates to allow you connection to common resources.

To access certificates:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Certificates** and press .

## Data Connections

---

You can use Data Connections settings to create dial-up, Virtual Private Network (VPN), and proxy connections so that you can connect to the Internet or your corporate network. By using a data connection, you can browse the Web, download e-mail, chat by using MSN® Messenger, or synchronize remotely with an Exchange Server. Check with your service provider to see if a data connection has already been set up for you, and if over-the-air configuration is supported.

The following options are available:

- **Internet connection:** Allows you to select **Automatic** or **Sprint 3G**.
- **Work connection:** Selects **Automatic** for the Work Internet connection setting. There are no additional settings associated with this option.
- **WAP connection:** Selects **Automatic** for the WAP Internet connection setting. There are no additional settings associated with this option.
- **Secure WAP connection:** Select **Automatic** for the Secure WAP Internet connection setting. There are no additional settings associated with this option.

To access Data Connections:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Data Connections** and press .
5. Use your keypad and  to enter your data connection settings.
6. Press  when done to save and exit.

## Editing Data Connections

When you edit data connections, you can change your service provider and proxy server and choose your VPN. You can also change the connection attempt settings, idle time, and security options.

To edit your data connection:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **Data Connections** and press .
5. Press  for **Edit Connections**.
6. Select one of the following:
  - **Dial-up Connections**
  - **VPN Connections**
  - **Proxy Connections**
7. Press  to **Edit Connections**, **Options**, **Work URL Exceptions** or **Cancel** the desired connection information.

## Removing Programs

---

It may become necessary to remove old applications or downloaded items to free up additional memory on your phone. Removing applications that are no longer used allows you to download new items without adding memory.

To remove a program:

1. Press  for **Start**.
2. Highlight **Settings** and press .
3. Highlight **More** and press .
4. Highlight **More** again and press .
5. Highlight **Remove Programs** and press .
6. Highlight an application and press  for **Remove**.
7. From the Data Connections screen, press  for **Yes** to confirm the removal or  for **No** to cancel.

## Using an Optional Portable Keyboard

The optional Samsung keyboard accessory (sold separately) allows you to plug in a flexible keyboard to type and navigate through the menu structure of your phone. All functions, including installed applications, can be controlled using the keyboard attachment.

### To attach the Keyboard:

1. Remove the keyboard from the box and locate the plug-in data connector.
2. Insert the connector into the bottom of your phone. (The phone will automatically detect and configure the keyboard attachment.)



## Keyboard Shortcuts

The following table contains a list of keyboard shortcuts to applications, menus, and sub menus on your Smartphone. Press the key or combination of keys listed in left column to perform the function listed in the right column.

Key(s)	Function
<b>Menu</b>	Return to the <b>Home Screen</b> from any menu.
	Launch <b>Internet Explorer</b> .
<b>FN - 1</b>	Open <b>Contacts</b> .
<b>FN - 2</b>	Open <b>Voice Notes</b> .
<b>FN - 3</b>	Open the <b>Calendar</b> .
<b>FN - 4</b>	Open <b>Tasks</b> .
<b>FN - 5</b>	Open the <b>Inbox</b> .
<b>FN - 6</b>	Open <b>MSN Messenger</b> .
<b>FN - 9</b>	Softkey 1
<b>FN - 0</b>	Softkey 2
<b>FN - +/=</b>	Turn the display on and off.
<b>FN - E</b>	End a call (if connected).
<b>FN - T</b>	Talk (or SEND).
	Turn earpiece volume up.
	Turn earpiece volume down.
	End moves the cursor to the end of a line.
	Home moves the cursor to the beginning of a line.

# Using AudiblePlayer

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With Audible, you can listen to the most entertaining, engaging and informative audiobooks, radio programs and periodicals right on your SP-i600. Your Smartphone is preloaded with sample clips from a selection of popular audiobooks; you can download the complete version of any of these titles by visiting [www.audible.com/sprint/i600](http://www.audible.com/sprint/i600).

## Accessing Audible Audio

To access AudiblePlayer:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **AudiblePlayer** and press .
4. Press  to display your phone's preloaded audio samples.

## Playing Audiobooks and Other Audio Programs

1. From within AudiblePlayer, highlight the desired title and press .
2. To begin playback press .(The selected program will begin playing. If you have already begun listening to the title, it will begin where it was last stopped.)



3. Press  again to stop playback.

## Adjusting Volume

- ▶ During playback, press  **Up** to increase volume or **Down** to decrease volume.

- or -

1. Press  for **Controls**.
2. Highlight **Preferences** and press . (A slide bar is displayed.)
3. Press  right to increase volume or left to decrease volume.
4. Press  when finished.

## Fast Forwarding and Rewinding Programs

- ▶ Press and hold  **Left** for Rewind or **Right** for Fast Forward.

- or -

1. Press  for **Controls**.
2. Highlight **Fast Forward/Rewind** and press .
3. Highlight the desired time interval for Fast Forward/Rewind and press .

## Skiping a Section Within a Title

1. Press  for **Controls**.
2. Highlight **Skip** and press .
3. Highlight **Next section** or **Previous section** and press .

## Inserting a Bookmark

1. From within AudiblePlayer, press  for **Controls**.
2. Highlight **Bookmark** and press .
3. Highlight **Add** or **Edit Bookmark** and press .
4. When adding a bookmark, type the name into the field provided the press .
5. Press  when finished.

## Deleting a Bookmark

1. From within AudiblePlayer, press  for **Controls**.
2. Highlight **Bookmark** and press .
3. Highlight **Edit Bookmark** and press .
4. Press  and highlight **Delete Bookmark**.
5. Press  when finished.

## Deleting a Title

1. From within AudiblePlayer, press  for **Select**.
2. Highlight the title you want to delete.
3. Press  for **Menu**.
4. Highlight **Delete** and press .
5. When you are prompted to confirm deletion, press  to confirm.

## Adding a Title

You can add titles from AudibleManager, the desktop software that accompanies your setup disk.

1. From the Audio Inbox within AudibleManager, select the title you would like to transfer to your SP-i600.
2. From the lower window of the Audio Inbox, choose to add the title to either the device memory or storage card.
3. Click and drag the title into the lower window and the title will transfer onto the device or card.

## Downloading New Audio from [www.audible.com](http://www.audible.com)

1. Visit <http://www.audible.com/sprint/i600> and select a title from over 23,000 choices.
2. You will be prompted to create an account if you don't already have one.
3. Proceed through the checkout process.
4. Visit **My Library**. Your titles will be available for download instantly.
5. Choose the title you want and select **Get it Now**.
6. Choose the desired format. (The SP-i600 supports formats 2 and 3.)
7. Click **Download**. The file will download into AudibleManager.

**Note:**

For complete details, please see the Getting Started Guide available from [http://www.audible.com/audible/help\\_info/guides.html](http://www.audible.com/audible/help_info/guides.html).

## **Sprint PCS Service Features**



# Sprint PCS Service Features: The Basics

### In This Section

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- ◆ **Using Voicemail**
- ◆ **Using SMS Text Messaging**
- ◆ **Using Caller ID**
- ◆ **Responding to Call Waiting**
- ◆ **Making a Three-Way Call**
- ◆ **Using Call Forwarding**

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**Now that you've mastered your phone's fundamentals, it's time to explore the calling features that enhance your Sprint PCS Service.** This section outlines your basic Sprint PCS Service features.

# Using Voicemail

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## Setting Up Your Voicemail

All unanswered calls to your Sprint PCS Phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your voicemail and personal greeting as soon as your Sprint PCS Phone is activated.

### To set up your voicemail:

1. Press and hold .
2. Follow the system prompts to:
  - Create your pass code.
  - Record your greeting.
  - Record your name announcement.
  - Choose whether to activate One-Touch Message Access (a feature that lets you access messages simply by pressing and holding , bypassing the need for you to enter your pass code).

**Note:** The voicemail setup process may vary in certain Affiliate areas.

## Voicemail Notification

There are several ways your Sprint PCS Phone alerts you of a new message:

- By displaying a message on the screen.
- By sounding the assigned ringer type.
- By displaying  at the top of your screen.

## New Voicemail Message Alerts

When you receive a new voice message, your phone alerts you and prompts you to call your voicemail.

**To call your voicemail:**

- ▶ Press and hold .

**To display your Missed Log:**

1. Press  for **Start**.
2. Highlight **Call History** and press .
3. Press   for **Filter**.
4. Press   for **Missed Calls**.

**Important:** When you are roaming off the Sprint Nationwide PCS Network, you may not receive notification of new voicemail messages. It is recommended that you periodically check your voicemail by dialing 1 + area code + your phone number. When your voicemail answers, press (\*) and enter your pass code. You will be charged roaming rates when accessing voicemail while roaming off the Sprint Nationwide PCS Network.

**Note:** Your phone accepts messages even when it is turned off. However, you are only notified of new messages when your phone is turned on and you are in a Sprint PCS Service Area.

## Retrieving Your Voicemail Messages

You can review your messages directly from your Sprint PCS Vision Phone or from any other touch-tone phone. To dial from your Sprint PCS Vision Phone, you can either speed dial your voicemail or use the menu keys.

### Using One-Touch Message Access

- ▶ Press and hold .

## Using the Menu Keys on Your Phone to Access Your Messages

► If there are new messages waiting, press  down on the home screen and highlight **Voicemail**. Press  to call.

**Note:** You are charged for airtime minutes when you are accessing your voicemail from your Sprint PCS Vision Phone.

## Using a Phone Other Than Your Sprint PCS Phone to Access Messages

1. Dial your Sprint PCS Phone Number.
2. When your voicemail answers, press  \*
3. Enter your pass code.

**Tip:** When you call into voicemail, you first hear the header information (date, time, and sender information) for the message. To skip directly to the message, press  during the header.

## Voicemail Button Guide

Here's a quick guide to your keypad functions while listening to voicemail messages. For further details and menu options, see "Voicemail Menu Key" on page 116.

		
Date/Time	Send Reply	Advance
		
Replay	Rewind	Forward
		
Erase	Call Back	Save
		
Cancel	Help	Skip

## Voicemail Options

Your Sprint PCS Phone offers several options for organizing and accessing your voicemail.

### Using Expert Mode

Using the Expert Mode setting for your personal voicemail box helps you navigate through the voicemail system more quickly by shortening the voice prompts you hear at each level.

**To turn Expert Mode on or off:**

1. Press and hold  to access your voicemail. (If your voicemail box contains any new or saved messages, press  to access the main voicemail menu.)
2. Press  to change your Personal Options, following the system prompts.
3. Press  for Expert Mode.
4. Press  to turn Expert Mode on or off.

### Setting Up Group Distribution Lists

Create up to 20 separate group lists, each with up to 20 customers.

1. Press and hold  to access your voicemail. (If your voicemail box contains any new or saved messages, press  to access the main voicemail menu.)
2. Press  to change your Personal Options, following the system prompts.
3. Press  for Administrative Options.
4. Press  for Group Distribution Lists.
5. Follow the voice prompts to create, edit, rename, or delete group lists.

## Sprint PCS Callback

Return a call after listening to a message without disconnecting from voicemail.

- ▶ Press  after listening to a message. (Once the call is complete, you're returned to the voicemail main menu.)

## VoiceMail-to-VoiceMail Message

Record and send a voice message to other Sprint PCS Voicemail users.

1. From the main voicemail menu, press  to send a message.
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record and send your voice message.

## VoiceMail-to-VoiceMail Message Reply

Reply to a voice message received from any other Sprint PCS Voicemail user.

1. After listening to a voice message, press .
2. Follow the voice prompts to record and send your reply.

## VoiceMail-to-VoiceMail Message Forwarding

Forward a voice message, except those marked "Private," to other Sprint PCS Voicemail users.

1. After listening to a message, press .
2. Follow the voice prompts to enter the phone number.
3. Follow the voice prompts to record your introduction and forward the voice message.

## VoiceMail-to-VoiceMail Receipt Request

Receive confirmation that your voice message has been listened to when you send, forward, or reply to other Sprint PCS users.

1. After you have recorded a message, press  to indicate you are satisfied with the message you recorded.
2. Press  to mark receipt requested.
3. Press  to send your voicemail message.

## Continue Recording

When leaving a voice message, you can choose to continue recording even after you've stopped.

- ▶ Before pressing  to indicate that you are satisfied with the message you recorded, press  to continue recording.

## Extended Absence Greeting

When your phone is turned off or you are off the Sprint Nationwide PCS Network for an extended period, this greeting can be played instead of your normal personal greeting.

1. From the main voicemail menu, press  for **Personal Options**.
2. Press  for **Greetings**.
3. Press  to record an **Extended Absence Greeting**.

## Voicemail Menu Key

Following the prompts on the voicemail system, you can use your keypad to navigate through the voicemail menu. The following list outlines your phone's voicemail menu structure.

-  Listen
  -  Envelope Information
  -  Reply
  -  Advance 8 Seconds
  -  Replay
  -  Rewind
  -  Forward Message
  -  Erase
  -  Callback
  -  Save
  -  Options
-  Send a Message
-  Personal Options
  -  Notification Options
    -  Phone Notification
    -  Numeric Paging to a Sprint PCS Phone
    -  Return to Personal Options Menu
  -  Administrative Options
    -  Skip pass code
    -  Autoplay
    -  Message Date & Time On/Off
    -  Change pass code
    -  Group Distribution List
    -  Return to Personal Options Menu
  -  Greetings
    -  Personal Greetings
    -  Name Announcement
    -  Extended Absence Greeting
    -  Return to Personal Options Menu
  -  Expert Mode (On/Off)
-  Place a Call
-  Disconnect

# Using SMS Text Messaging

With SMS Text Messaging, you can use a person's wireless phone number to send instant text messages from your Sprint PCS Vision Phone to their messaging-ready phone – and they can send messages to you. When you receive a new message, you'll automatically be notified with a one-way text message.

In addition, SMS Text Messaging includes a variety of pre-set messages, such as "I'm running late, I'm on my way," that make composing messages fast and easy. You can also customize your own pre-set messages (up to 100 characters) from your Sprint PCS Vision Phone or at [www.sprintpcs.com](http://www.sprintpcs.com).

## Composing SMS Text Messages

To compose an SMS Text message:

1. Press  for **Start**.
2. Highlight **Inbox** and press .
3. Press  left or right until **SMS** is displayed in the upper left corner of the screen.
4. Press  for **New**.
5. Press  for **SMS**.
6. Enter the mobile number or e-mail address of the individual(s). When finished, press  down to access the message area.

**Note:**

When sending an SMS message to an email address, you must first type "6245" in the "To:" field. Then enter the email address on the first line in the body of the text message before entering any additional text.

7. Compose your message using the keypad and press  for **Send**.

To reply to an SMS Text message:

1. Press  for **Start**.
2. Highlight **Inbox** and press .
3. Highlight the desired message and press .
4. Press  for **Reply**.
5. Compose your reply using the keypad and press  for **Send**.

## Using Caller ID

---

Caller ID allows people to identify a caller before answering the phone by displaying the number of the incoming call. If you do not want your number displayed when you make a call, just follow these easy steps.

**To block your phone number from being displayed for a specific outgoing call:**

1. Press   .
2. Enter the number you want to call.
3. Press .

To permanently block your number, call Sprint Customer Service.

## Responding to Call Waiting

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When you're on a call, Call Waiting alerts you of incoming calls by sounding two beeps. Your phone's screen informs you that another call is coming in and displays the caller's phone number (if it is available and you are in digital mode).

**To respond to an incoming call while you're on a call:**

- ▶ Press  . (This puts the first caller on hold and answers the second call.)

**To switch back to the first caller:**

- ▶ Press  again.

**Tip:**

For those calls where you don't want to be interrupted, you can temporarily disable Call Waiting by pressing **\* 7 0** before placing your call. Call Waiting is automatically reactivated once you end the call.

## Making a Three-Way Call

With Three-Way Calling, you can talk to two people at the same time. When using this feature, the normal airtime rates will be charged for each of the two calls.

### To make a Three-Way Call:

1. Enter a number you wish to call and press .
2. Once you have established the connection, press  again to place the first call on hold.
3. Dial the second number and press .
4. When you're connected to the second party, press  again to begin your three-way call.

If one of the people you called hangs up during your call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

#### Tip:

You can also begin a Three-Way Call by displaying a phone number stored in your Phone Book, Call History, or Messaging. To call the third party, press **TALK**.

#### Note:

Call Waiting and Three-Way Calling are not available while roaming off the Sprint Nationwide PCS Network.

# Using Call Forwarding

---

Call Forwarding lets you forward all your incoming calls to another phone number - even when your phone is turned off. You can continue to make calls from your phone when Call Forwarding is activated.

## To activate Call Forwarding:

1. Press    .
2. Enter the area code and phone number to which your future calls should be forwarded.
3. Press  . (You will see a message and hear a tone to confirm the activation of Call Forwarding.)

## To deactivate Call Forwarding:

1. Press     .
2. Press  . (You will see a message and hear a tone to confirm the deactivation.)

**Note:** You are charged a higher rate for calls you have forwarded.

# Sprint PCS Vision<sup>SM</sup>

### In This Section

---

- ◆ **Getting Started With Sprint PCS Vision**
- ◆ **Downloading Content**
- ◆ **Accessing Games**
- ◆ **Exploring the Web**
- ◆ **MSN Messenger**
- ◆ **Using Sprint PCS Business Connection**
- ◆ **Sprint PCS Vision FAQs**

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**Sprint PCS Vision<sup>SM</sup> brings you clarity you can see and hear with advanced multimedia services.** These features, including games, downloadable ringers and screen savers, Web access, and Sprint PCS Business Connection, are easy to learn and use. The rich, colorful graphic experience is visually comparable to your home or office computer. Clearly, it's a whole new way to look at wireless.

This section introduces these advanced services and walks you through the necessary steps to start taking advantage of Sprint PCS Vision.

# Getting Started With Sprint PCS Vision

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With your Sprint PCS Vision Phone and Sprint PCS Service, you are ready to start enjoying the advantages of Sprint PCS Vision. This section will help you learn the basics of using your Sprint PCS Vision services, including managing your User Name, launching a Vision connection, and navigating the Web with your Sprint PCS Vision Phone.

## Your User Name

When you buy a Sprint PCS Vision Phone and sign up for service, you're automatically assigned a User Name. A User Name is typically based on your name and a number, followed by "@sprintpcs.com." For example, the third John Smith to sign up for Sprint PCS Vision services might have jsmith003@sprintpcs.com as his User Name. If you want a particular User Name, you can visit www.sprintpcs.com and get the name you want - as long as nobody else has it.

When you use Sprint PCS Vision services, your User Name is submitted to identify you to the Sprint Nationwide PCS Network. The User Name is also useful as a way to personalize Web service and as an online virtual identity.

Your User Name will be automatically programmed into your Sprint PCS Vision Phone. You don't have to enter it.

## Finding Your User Name

If you aren't sure what your Sprint PCS Vision User Name is, you can easily find it online or on your Sprint PCS Vision Phone.

### To find your User Name:

- **At [www.sprintpcs.com](http://www.sprintpcs.com).** Sign on to your account using your Sprint PCS Phone Number and Password. Your User Name appears in the top banner, next to your phone number.
- **On your Sprint PCS Vision Phone.** You can find your User Name under the **Phone Info** option in your phone's Settings menu. (For more information on accessing this option, see "Displaying Your Phone Number" on page 20.)

## Launching a Sprint PCS Vision Connection

To launch a Sprint PCS Vision connection:

1. Press  for **Start**.
2. Highlight **Internet Explorer** and press .
3. Press  for **Favorites**.
4. Press  to select **Sprint PCS**.
5. Press  to launch the browser and display the Sprint PCS Vision home page.

### The Sprint PCS Vision Home Page



If you had a previous Sprint PCS Vision connection, the last page you visited (for example, CNNtoGo or ESPN Top News) will display when you launch your browser. When this occurs, you may not see the “Connecting...” message when you launch the session. Though the browser is open, you are not currently in an active data session - that is, no data is being sent or received. As soon as you navigate to another page, the active session will launch and you will see the “Connecting...” message.

The browser connection remains active in the background even if an incoming call or another application is being used. To close the connection, you must press .

## Navigating the Web

Navigating through menus and Websites during a Sprint PCS Vision session is easy once you've learned a few basics. Here are some tips for getting around:

### Softkeys

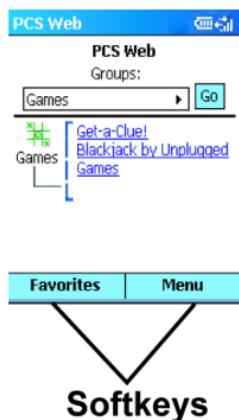
During a Sprint PCS Vision session, the bottom line of your phone's display contains one or more softkeys. These keys are shortcut controls for navigating around the Web, and they correspond to the  and  buttons directly below the phone's display screen.

**Tip:**

Depending on which Websites you visit, the labels on the softkeys may change to indicate their function.

#### To use softkeys:

- ▶ Press the desired softkey button. (If an additional pop-up menu appears when you press the softkey button, select the menu items using your keypad [if they're numbered] or by highlighting the option and pressing .)



## Scrolling

As with other parts of your phone's menu, you'll have to scroll up and down to see everything on some Websites.

### To scroll through Websites:

- ▶ Press  up or down.

## Selecting

Once you've learned how to use softkeys and scroll, you can start navigating the Web.

### To select on-screen items:

- ▶ Use  to highlight the desired item, then press the desired softkey button (or press ).

#### Tip:

You'll find that the left softkey is used primarily for selecting items. This softkey is often labeled "OK."

---

If the items on a page are numbered, you can use your keypad (number keys) to select an item. (The tenth item in a numbered list may be selected by pressing the **0** key on your phone's keypad, even though the number 0 doesn't appear on the screen.)

Links, which appear as underlined text, allow you to jump to different Web pages, select special functions, or even place phone calls.

### To select links:

- ▶ Highlight the link and select the appropriate softkey.

## Going Back

To go back one page:

- ▶ Press the  key on your phone.

**Note:**

The  key is also used for deleting text (like a BACKSPACE key) when you are entering text.

## Going Home

To return to the Sprint PCS Vision Home page from any other Web page:

- ▶ Press  .

# Downloading Content Using Handango

With Sprint PCS Vision, the Sprint Software Store, and Handango, you have access to a variety of Premium Service content, such as downloadable Software, Games, Travel Maps, and other applications. The steps required to access Handango and download Premium Service content are outlined below.

## Accessing Handango Content

To access Handango:

1. Press  for **Start**.
2. Highlight **More** and press .
3. Highlight **Software Store** and press .
4. If this is the first time that the application is being accessed, you must select your desired language and follow the on-screen prompts to continue.
5. From the Catalog, press  to navigate to the desired application.



## Downloading an Item

Once you've selected an item you wish to download, highlight it and press  or  for **Select** (left softkey). You will see a summary page for the item including its title, the vendor, the download detail, the file size, and the cost. Links allow you to view the **License Details** page, which outlines the price, license type, and length of license for the download, and the **Terms of Use** page, which details the Premium Services Terms of Use and your responsibility for payment.

### To download a selected item:

1. From the information page, press   for **Buy**. (This will purchase the item. If you have not previously purchased an item, you will be prompted to create your purchasing profile.)



2. Confirm your purchase and the charge (if applicable) by pressing  for **Agree**.
3. Press  for **Start** to begin the download.

# Games

## Accessing Games

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You can play a variety of entertaining and graphically-rich games on your Sprint PCS Vision Phone. New games are easy to download and play.

### Online Games

To play an online game:

1. Press  for **Start**.
2. Highlight **Internet Explorer** and press .
3. Press  for **Favorites**.
4. Press  to select **Sprint PCS**.
5. Use  to highlight the **Games** icon and press . (For more information on navigating the Web, see “Navigating the Web” on page 124.)
6. Press  up or down to highlight the desired game and press .
7. Select **Play** from the item information page and press .



## Exploring the Web

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With Web access on your Sprint PCS Vision Phone, you can browse full-color graphic versions of your favorite Websites, making it easier than ever to stay informed while on the go. Follow sports scores and breaking news and weather and shop on your Sprint PCS Vision Phone anywhere on the Sprint Nationwide PCS Network.

In addition to the features already covered in this section, the Sprint PCS Vision home page offers access to these colorful, graphically rich Web categories. Many sites are available under more than one menu – choose the one that's most convenient for you.

- **News.** Get up-to-the-minute news regarding finance, business, sports, and entertainment at sites like CNNtoGo, Bloomberg, USA Today, and Forbes.
- **Weather.** Access The Weather Channel to get current weather conditions and forecasts.
- **Entertainment.** Get the latest buzz on your favorite stars as well as movie and music reviews at Websites like E! Online, Pocket BoxOffice™, and TastNtalk.
- **Sports.** Enjoy current news, statistics, and sports scores, as well as updates of events in progress at ESPN.com and other sports sites.
- **Finance.** Use Websites like Bloomberg, Fidelity, and Forbes to get stock quotes, make trades, and check your bank account online.
- **Travel.** Access flight information and make dining arrangements from travel Websites like Saber and Fodors.com.
- **Shopping.** Browse or purchase from popular shopping Websites like Amazon.com or Edmunds.
- **Tools.** Use tools like Switchboard to access yellow pages, white pages – even reverse phone number look-up or use Google to search for other Websites or images.
- **Business Links.** Access your Sprint PCS Business Connection Personal or Enterprise Edition along with links to many business-related sites.
- **My Account.** Check minutes and Sprint PCS Vision usage, view your current invoice, or make a payment.

- **Search.** Use Google to search keywords, articles, and even images.

## Using the Browser Menu

Navigating the Web from your phone using the Sprint PCS Vision Home page is easy once you get the hang of it. For details on how to navigate the Web, select menu items, and more, see “Navigating the Web” on page 124.

Although the Sprint PCS Vision home page offers a broad and convenient array of sites and services for you to browse, not all sites are represented, and certain functions, such as going directly to specific Websites, are not available. For these and other functions, you will need to use the browser menu. The browser menu offers additional functionality to expand your use of the Web on your Sprint PCS Vision Phone.

### Opening the Browser Menu

The browser menu may be opened anytime you have an active Sprint PCS Vision session, from any page you are viewing.

**To open the browser menu:**

1. Press  for **Start**.
2. Highlight **Internet Explorer** and press .
3. Press  for **Favorites**.
4. Press  to select **Sprint PCS**.
5. Press  to display the following options:
  - **Address Bar:** Displays an address bar which allows you to enter the URL (website address) using the keypad.
  - **Refresh:** Reloads the current Web page.
  - **Add Favorite:** Allows you to bookmark the site and add the URL to your favorites list.
  - **Favorites:** Allows you to go back to the Favorites menu.
  - **Layout:** Allows you to select the desired display layout. The available choices are: **One Column**, **Default**, and **Desktop**.
  - **Properties:** Displays the HTML properties of the web page.
  - **Options:** Allows you to edit the Internet Explorer options.

## Creating a Bookmark

Bookmarks allow you to store the address of your favorite Websites for easy access at a later time.

### To create a bookmark:

1. Go to the Web page you want to mark.
2. Press   for **Add Favorite**.
3. Use your keypad to edit the bookmark title and URL (if necessary) and press  for **Add** to save the bookmark.

#### Note:

Bookmarking a page does not store the page contents, just its address.

Some pages cannot be bookmarked. Whether a particular Web page may be marked is controlled by its creator.

## Accessing a Bookmark

### To access a bookmark:

1. Access the browser menu by pressing .
2. Press   for **Favorites**.
3. Press  up or down to highlight the desired bookmark and press  to access the Website.

## Deleting a Bookmark

### To delete a bookmark:

1. Access the browser menu by pressing .
2. Press   for **Favorites**.
3. Press  up or down to highlight the desired bookmark.
4. Press   for **Delete**.
5. Press  to select **Yes** or  for **No**.

## Going to a Specific Website

To go to a particular Website by entering a URL (Website address):

1. Access the browser menu by pressing .
2. Press  for **Address Bar**.
3. Use your keypad to enter the URL of the Website you wish to go to and press .

## Reloading a Web Page

To reload (refresh) a Web page:

1. Access the browser menu by pressing .
2. Press  for **Refresh**.

## MSN Messenger

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You can use MSN Messenger on your Smartphone to send and receive instant messages. MSN Messenger on your Smartphone provides the same chat environment as MSN Messenger on your desktop computer. Features of this environment include:

- Sending and receiving instant messages.
- Seeing the status of others in your MSN Messenger contacts list, or changing your own status (for example, available, busy, or out to lunch).
- Inviting other people to a chat.
- Blocking contacts from seeing your status or sending you messages.
- Setting up MSN Messenger

Before you can use MSN Messenger, you must take steps to set it up. First, you need either a Microsoft .NET Passport account or a Hotmail account. To set up a Microsoft .NET Passport account, go to: <http://www.passport.com>. Once you have this account, you need to do the following:

- ▶ Create a connection on your Smartphone, such as a modem or wireless connection that allows you to connect to the Internet.

## Using MSN Messenger

You can sign in to MSN Messenger using your Hotmail credentials or your .NET Passport. Once you sign in, you can create contacts and exchange instant messages with them. This is called "chatting."

Contacts must have a Hotmail or .NET Passport account and must have MSN Messenger installed.

**To sign in to MSN Messenger:**

1. Press  for **Start**.
2. Highlight **MSN Messenger** and press .



3. Press  for **Sign In**.
4. Enter the sign-in name that you use for Hotmail or your .NET Passport (Example: name\_123@hotmail.com).
5. In Password, enter your Hotmail or .NET Passport password.
6. Select **Remember my password** if you don't want to enter your password again in the future.
7. Press  for **Sign In**.

## To sign out of MSN Messenger:

► Press  for **Sign out**.



**Note:** Signing out closes your data connection. Be sure to sign out when finished using MSN Messenger or your connection will remain open. This might result in additional charges from your service provider.

## To add an MSN Messenger contact:

1. In the MSN Messenger press  for **Add Contact**.



2. Enter the Hotmail or .NET Passport sign-in name of the user. Their sign-in name is added to the contacts list.

**To delete an MSN Messenger contact:**

1. In the MSN Messenger contacts list, press  up or down to select the contact.
2. Press  for **Delete Contact**.



**To send an instant message:**

1. Sign in to MSN Messenger.
2. Highlight the desired contact and press .
3. Use your keypad to compose a message (or select from your “My Text” messages) and press  to save.



## Using Sprint PCS Business Connection Personal Edition

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Sprint PCS Business Connection<sup>SM</sup> Personal Edition gives you secure, real-time access to your Microsoft<sup>®</sup> Outlook<sup>®</sup> or Lotus Notes<sup>®</sup> company e-mail, calendar, business directory, and personal contacts. You'll have the features and functions of your Microsoft Outlook and Lotus Notes so you can view, create, reply to, and delete e-mail; schedule appointments; and look up phone numbers in real time, anywhere on the Sprint Nationwide PCS Network.

Sprint PCS Business Connection Personal Edition delivers the following:

- **Business e-mail access.** Read, reply to, forward, delete, and compose your company e-mail.
- **Company directory and contacts.** Search, view, call, and e-mail contacts from your company's directory. Do all this and add/edit your personal contacts.
- **Work calendar.** Accept and decline meetings, view daily summaries and details, and navigate to various dates.
- **Files/information on your PC.** Browse folders, download, and view documents from any device using a PC browser or Pocket Internet Explorer.

Sprint PCS Business Connection Personal Edition requires no hardware or software installation on your company's network. Just install the Sprint PCS Business Connection Personal Edition software on your work PC. This allows data to be securely retrieved in real-time by your wireless device when connected to the Sprint Nationwide PCS Network. There is a monthly charge for Sprint PCS Business Connection and usage charges will also apply.

When your work PC isn't on, you can share connections with your co-workers so that you always have access to your e-mail, calendar, and contacts. Your data remains secure behind the corporate firewall, and any changes you make on your wireless device are instantly updated on your company server without the need to synchronize.

Additional Sprint PCS Business Connection solutions are available for your company. For more details, visit [businessconnection.sprintpcs.com](http://businessconnection.sprintpcs.com).

## Sprint PCS Vision FAQs

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### **How will I know when my phone is ready for Sprint PCS Vision service?**

Your User Name (for example, [hsmith001@sprintpcs.com](mailto:hsmith001@sprintpcs.com)) will display when you press   .

### **How do I sign-in for the first time?**

You are automatically signed in to access Sprint PCS Vision services when you turn on your phone.

### **How do I know when my phone is connected to Sprint PCS Vision services?**

Your phone automatically connects when Sprint PCS Vision service is used or an incoming message arrives. Your phone will also display the  icon. (Connecting takes about 10-12 seconds.)

### **Can I make calls and use Sprint PCS Vision services at the same time?**

You cannot use voice and Sprint PCS Vision services simultaneously. If you receive a call while Sprint PCS Vision service is active, the call will be forwarded to voicemail. You can place an outgoing call anytime, but it will interrupt any in-progress Sprint PCS Vision session.

### **When is my data connection active?**

Your connection is active when data is being transferred. Outgoing calls are allowed; incoming calls go directly to voicemail. When active, the  indicator flashes on your phone's display screen.

### **When is my data connection dormant?**

If no data is received for 10 seconds, the connection goes dormant. When the connection is dormant, voice calls are allowed. (The connection may become active again quickly.) If no data is received for an extended period of time, the connection will terminate.

# Sprint PCS Voice Command

### In This Section

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- ◆ **Getting Started with Sprint PCS Voice Command<sup>SM</sup>**
- ◆ **Creating Your Own Address Book**
- ◆ **Making a Call with Sprint PCS Voice Command**
- ◆ **Accessing Information Using Sprint PCS Voice Command**

---

**With Sprint PCS, the first wireless provider to offer innovative Sprint PCS Voice Command technology, reaching your friends, family, and co-workers has never been easier – especially when you're on the go.** You can even listen to Web-based information such as news, stock quotes, weather, sports, and much more. Your voice does it all with Sprint PCS Voice Command.

This section outlines the Sprint PCS Voice Command service.

# Getting Started With Sprint PCS Voice Command

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With Sprint PCS Voice Command:

- You can store all your contacts' phone numbers, so you can simply say the name of the person you want to call.
- There's no need to punch in a lot of numbers, memorize voicemail passwords, or try to dial while you're driving.
- You can call anyone in your address book – even if you don't remember their phone number.

## It's Easy to Get Started

▶ Just dial    from your Sprint PCS Phone to contact Sprint Customer Service to activate the service and listen to the brief instructions directly from your phone. There is a monthly charge for Sprint PCS Voice Command.

## Creating Your Own Address Book

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You can program up to 500 names into your personal address book, with each name having up to five phone numbers. That's 2,500 phone numbers, and with the advanced technology of Sprint PCS Voice Command, you can have instant access to all of them.

There are four ways to update your address book:

- **Use Voice Recordings.** Simply dial   and say, "Add name." You will then be asked to say the name and number you want to add to your personal address book. Your address book can store up to 20 voice recorded names at once.
- **On the Web.** Go to [www.talk.sprintpcs.com](http://www.talk.sprintpcs.com) to receive a fully functional Web-based address book to create and update your contacts.
- **Use an Existing Address Book.** Automatically merge address books from desktop software applications with Sprint PCS Sync<sup>SM</sup> Services for no additional charge. Simply click on the "Click to synchronize" button within your Sprint PCS Voice Command personal address book at [www.talk.sprintpcs.com](http://www.talk.sprintpcs.com).
- **Call Directory Assistance.** If you don't have a computer or Internet access handy, you can have Sprint PCS Directory Assistance look up phone numbers for you and automatically add

them to your address book. Just say “Call operator” and we’ll add two names and numbers to your address book for our standard directory assistance charge.

## Making a Call With Sprint PCS Voice Command

### To make a call with Sprint PCS Voice Command:

1. Press  and create your address book once you’ve signed up for Sprint PCS Voice Command. (You’ll hear a tone followed by the prompt “Ready.”)
2. After the “Ready” prompt, simply say, in a natural voice, “Call” and the name of the person or the number you’d like to call. (For example, you can say, “Call Jane Smith at work,” “Call John Baker on the mobile phone,” “Call 555-1234,” or “Call Bob Miller.”)
3. Your request will be repeated and you will be asked to verify. Say “Yes” to call the number or person. (The number will automatically be dialed.) Say “No” if you wish to cancel.

**Tip:**

Keep in mind that Sprint PCS Voice Command recognizes not only your voice, but any voice, so that others can experience the same convenience if they use your phone.

For more helpful hints on Sprint PCS Voice Command, including a list of recognized commands and an interactive tutorial, visit [www.talk.sprintpcs.com](http://www.talk.sprintpcs.com).

# Accessing Information Using Sprint PCS Voice Command

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To access information using Sprint PCS Voice Command:

1. Press  .
2. Say “Call the Web.” (To access, listen to and respond to e-mail, once e-mail has been set up, say “Call My E-mail.”)
3. Choose from a listing of information categories like news, weather, sports, and more.

**Note:**

Sprint PCS Voice Command is not available while roaming off the Sprint Nationwide PCS Network.

**Safety Guidelines  
and  
Warranty Information**

# Safety

### In This Section

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- ◆ **Getting the Most Out of Your Reception**
- ◆ **Maintaining Safe Use of and Access to Your Phone**
- ◆ **Caring for the Battery**
- ◆ **Acknowledging Special Precautions and the FCC Notice**
- ◆ **Consumer Information on Wireless Phones**
- ◆ **Owner's Record**
- ◆ **User's Guide Proprietary Notice**

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**Part of getting the most out of your Sprint PCS Phone is learning how the phone works and how to care for it.** This section outlines performance and safety guidelines that help you understand the basic features of your phone's operation.

# Getting the Most Out of Your Reception

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## Keeping Tabs on Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

## Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability; you can also check it yourself by pressing any key. Anytime the Power Save feature is activated, a message is displayed on the screen. When a signal is found, your phone returns to standby mode.

## Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radiofrequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

## Knowing Radiofrequency Safety

The design of your Sprint PCS Phone complies with updated NCRP standards described below.

In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

## Maintaining Your Phone's Peak Performance

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended, and over your shoulder.
- Try not to hold, bend, or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery.

**Note:**

For the best care of your phone, only Sprint PCS authorized personnel should service your phone and accessories. Faulty service may void the warranty.

## Maintaining Safe Use of and Access to Your Phone

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

### Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free device) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

When using your phone in the car:

- Get to know your phone and its features, such as speed dial and redial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic; if possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 911 to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

**Tip:**

Purchase an optional hands-free car kit at your local Sprint PCS Store, or call the Sprint PCS Accessory Hotline<sup>SM</sup> at 1-800-974-2221 or by dialing #222 on your Sprint PCS Phone.

### Following Safety Guidelines

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

### Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radiofrequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the

manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

**Note:** Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

## Turning Off Your Phone Before Flying

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, the U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

## Turning Off Your Phone in Dangerous Areas

To avoid interfering with blasting operations, turn your phone off when in a blasting area or in other areas with signs indicating two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

Turn your phone off when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone and accessories could generate sparks. Sparks can cause an explosion or fire, resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

**Note:** Never transport or store flammable gas, liquid, or explosives in the compartment of your vehicle that contains your phone or accessories.

## Restricting Children's Access to your Phone

Your Sprint PCS Phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

# Caring for the Battery

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## Protecting Your Battery

The guidelines listed below help you get the most out of your battery's performance.

- Use only Sprint PCS-approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32° F to 113° F (0° C to 45° C).
- Don't use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Don't attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. It can be recharged hundreds of times before it needs replacing.
- Don't store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:

Less than one month:

4° F to 140° F (-20° C to 60° C)

More than one month:

4° F to 113° F (-20° C to 45° C)

## Disposal of Lithium Ion (Li-Ion) Batteries

For safe disposal options of your Li-Ion batteries, contact your nearest Sprint PCS-authorized service center.

**Special Note:** Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

**Note:**

For safety, do not handle a damaged or leaking Li-Ion battery.

# Acknowledging Special Precautions and the FCC Notice

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## FCC Notice

This phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn.: Publication Sales Division.

## Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

## Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Sprint PCS supplied or approved carrying case, holster or other body-worn accessory. If you do not use a body-worn accessory, ensure that the antenna is at least 7/16 inch (1.5 centimeters) from your body when transmitting. Use of non-Sprint PCS approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, visit the FCC Website at [www.fcc.gov](http://www.fcc.gov).

## Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values of the SP-i600 are:

**PCS mode (Part 24):**

Head: **0.97** W/kg; Body-worn: **0.52** W/kg

## FCC Radiofrequency Emission

This phone meets the FCC Radiofrequency Emission Guidelines.

FCC ID number: **A3LSCHI600**. More information on the phone's SAR can be found from the following FCC Website: <http://www.fcc.gov/oet/fccid>.

# Consumer Information on Wireless Phones

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(The following information comes from a consumer information Website jointly sponsored by the U.S. Food and Drug Administration (FDA) and the Federal Communications Commission (FCC), entitled "Cell Phone Facts: Consumer Information on Wireless Phones." The information reproduced herein is dated July 29, 2003. For further updates, please visit the Website: <http://www.fda.gov/cellphones/qa.html>.)

## What is radiofrequency energy (RF)?

Radiofrequency (RF) energy is another name for radio waves. It is one form of electromagnetic energy that makes up the electromagnetic spectrum. Some of the other forms of energy in the electromagnetic spectrum are gamma rays, x-rays and light. Electromagnetic energy (or electromagnetic radiation) consists of waves of electric and magnetic energy moving together (radiating) through space. The area where these waves are found is called an electromagnetic field.

Radio waves are created due to the movement of electrical charges in antennas. As they are created, these waves radiate away from the antenna. All electromagnetic waves travel at the speed of light. The major differences between the different types of waves are the distances covered by one cycle of the wave and the number of waves that pass a certain point during a set time period. The wavelength is the distance covered by one cycle of a wave. The frequency is the number of waves passing a given point in one second. For any electromagnetic wave, the wavelength multiplied by the frequency equals the speed of light. The frequency of an RF signal is usually expressed in units called hertz (Hz). One Hz equals one wave per second. One kilohertz (kHz) equals one thousand waves per second, one megahertz (MHz) equals one million waves per second, and one gigahertz (GHz) equals one billion waves per second.

RF energy includes waves with frequencies ranging from about 3000 waves per second (3 kHz) to 300 billion waves per second (300 GHz). Microwaves are a subset of radio waves that have frequencies ranging from around 300 million waves per second (300 MHz) to three billion waves per second (3 GHz).

## How is radiofrequency energy used?

Probably the most important use of RF energy is for telecommunications. Radio and TV broadcasting, wireless phones, pagers, cordless phones, police and fire department radios, point-to-point links and satellite communications all rely on RF energy.

Other uses of RF energy include microwave ovens, radar, industrial heaters and sealers, and medical treatments. RF energy, especially at microwave frequencies, can heat water. Since most food has a high water content, microwaves can cook food quickly. Radar relies on RF energy to track cars and airplanes as well as for military applications. Industrial heaters and sealers use RF energy to mold plastic materials, glue wood products, seal leather items such as shoes and pocketbooks, and process food. Medical uses of RF energy include pacemaker monitoring and programming.

## How is radiofrequency radiation measured?

RF waves and RF fields have both electrical and magnetic components. It is often convenient to express the strength of the RF field in terms of each component. For example, the unit "volts per meter" (V/m) is used to measure the electric field strength, and the unit "amperes per meter" (A/m) is used to express the magnetic field strength. Another common way to characterize an RF field is by means of the power density. Power density is defined as power per unit area. For example, power density can be expressed in terms of milliwatts (one thousandth of a watt) per square centimeter (mW/cm<sup>2</sup>) or microwatts (one millionth of a watt) per square centimeter (μW/cm<sup>2</sup>).

The quantity used to measure how much RF energy is actually absorbed by the body is called the Specific Absorption Rate or SAR. The SAR is a measure of the rate of absorption of RF energy. It is usually expressed in units of watts per kilogram (W/kg) or milliwatts per gram (mW/g).

## What biological effects can be caused by RF energy?

The biological effects of radiofrequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material. Ionization only occurs with very high levels of electromagnetic energy such as X-rays and gamma rays. Often the term radiation is used when discussing ionizing radiation (such as that associated with nuclear power plants).

The energy levels associated with radiofrequency energy, including both radio waves and microwaves, are not great enough to cause the ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat) and other forms of electromagnetic radiation with relatively low frequencies.

Large amounts of RF energy can heat tissue. This can damage tissues and increase body temperatures. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

The amount of RF radiation routinely encountered by the general public is too low to produce significant heating or increased body temperature. Still, some people have questions about the possible health effects of low levels of RF energy. It is generally agreed that further research is needed to determine what effects actually occur and whether they are dangerous to people. In the meantime, standards-setting organizations and government agencies are continuing to monitor the latest scientific findings to determine whether changes in safety limits are needed to protect human health.

FDA, EPA and other US government agencies responsible for public health and safety have worked together and in connection with WHO to monitor developments and identify research needs related to RF biological effects.

## What levels of RF energy are considered safe?

Various organizations and countries have developed standards for exposure to radiofrequency energy. These standards recommend safe levels of exposure for both the general public and for workers. In the United States, the FCC has used safety guidelines for RF environmental exposure since 1985.

The FCC guidelines for human exposure to RF electromagnetic fields are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurements (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

Many countries in Europe and elsewhere use exposure guidelines developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). The ICNIRP safety limits are generally similar to those of the NCRP and IEEE, with a few exceptions. For example, ICNIRP recommends different exposure levels in the lower and upper frequency ranges and for localized exposure from certain products such as hand-held wireless telephones. Currently, the World Health Organization is working to provide a framework for international harmonization of RF safety standards.

The NCRP, IEEE, and ICNIRP all have identified a whole-body Specific Absorption Rate (SAR) value of 4 watts per kilogram (4 W/kg) as a threshold level of exposure at which harmful biological effects may occur. Exposure guidelines in terms of field strength, power density and localized SAR were then derived from this threshold value. In addition, the NCRP, IEEE, and ICNIRP guidelines vary depending on the frequency of the RF exposure. This is due to the finding that whole-body human absorption of RF energy varies with the frequency of the RF signal. The most restrictive limits on whole-body exposure are in the frequency range of 30-300 MHz where the human body absorbs RF energy most efficiently. For products that only expose part of the body, such as wireless phones, exposure limits in terms of SAR only are specified.

The exposure limits used by the FCC are expressed in terms of SAR, electric and magnetic field strength, and power density for transmitters operating at frequencies from 300 kHz to 100 GHz. The specific values can be found in two FCC bulletins, OET Bulletins 56 and 65: <http://www.fcc.gov/oet/info/documents/bulletins/#56>; <http://www.fcc.gov/oet/info/documents/bulletins/#65>.

## Why has the FCC adopted guidelines for RF exposure?

The FCC authorizes and licenses products, transmitters, and facilities that generate RF and microwave radiation. It has jurisdiction over all transmitting services in the U.S. except those specifically operated by the Federal Government. While the FCC does not have the expertise to determine radiation exposure guidelines on its own, it does have the expertise and authority to recognize and adopt technically sound standards promulgated by other expert agencies and organizations, and has done so. (Our joint efforts with the FDA in developing this website is illustrative of the kind of inter-agency efforts and consultation we engage in regarding this health and safety issue.)

Under the National Environmental Policy Act of 1969 (NEPA), the FCC has certain responsibilities to consider whether its actions will significantly affect the quality of the human environment. Therefore, FCC approval and licensing of transmitters and facilities must be evaluated for significant impact on the environment. Human exposure to RF radiation emitted by FCC-regulated transmitters is one of several factors that must be considered in such environmental evaluations. In 1996, the FCC revised its guidelines for RF exposure as a result of a multi-year proceeding and as required by the Telecommunications Act of 1996.

Radio and television broadcast stations, satellite-earth stations, experimental radio stations and certain wireless communication facilities are required to undergo routine evaluation for RF compliance when they submit an application to the FCC for construction or modification of a transmitting facility or renewal of a license. Failure to comply with the FCC's RF exposure guidelines could lead to the preparation of a formal Environmental Assessment, possible Environmental Impact Statement and eventual rejection of an application. Technical guidelines for evaluating compliance with the FCC RF safety requirements can be found in the FCC's OET Bulletin 65.

<http://www.fcc.gov/oet/info/documents/bulletins/#65>.

Low-powered, intermittent, or inaccessible RF transmitters and facilities are normally excluded from the requirement for routine evaluation for RF exposure. These exclusions are based on standard calculations and measurement data indicating that a transmitting station or equipment operating under the conditions prescribed is unlikely to cause exposures in excess of the guidelines under normal conditions of use. Such exclusions are not exclusions from compliance, but, rather, exclusions from routine evaluation. The FCC's policies on RF exposure and categorical exclusion can be found in Section 1.1307(b) of the FCC's Rules and Regulations [(47 CFR 1.1307(b)].

## **How can I obtain the Specific Absorption Rate (SAR) value for my wireless phone?**

The FCC requires that wireless phones sold in the United States demonstrate compliance with human exposure limits adopted by the FCC in 1996. The relative amount of RF energy absorbed in the head of a wireless telephone-user is given by the Specific Absorption Rate (SAR), as explained above. The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg) in terms of SAR.

Information on SAR for a specific phone model can be obtained for many recently manufactured phones using the FCC identification (ID) number for that model. The FCC ID number is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the ID number, go to the following Web address: [www.fcc.gov/oet/fccid](http://www.fcc.gov/oet/fccid). On this page, you will see instructions for entering the FCC ID number. Type the FCC ID number exactly as requested (the Grantee Code is the first three characters, the Equipment Product Code is the rest of the FCC ID number). Then click on "Start Search." The "Grant of Equipment Authorization" for your telephone should appear. Read through the grant for the section on "SAR Compliance," "Certification of Compliance with FCC Rules

for RF Exposure" or similar language. This section should contain the value(s) for typical or maximum SAR for your phone.

Phones and other products authorized since June 2, 2000, should have the maximum SAR levels noted directly on the "Grant of Equipment Authorization." For phones and products authorized between about mid-1998 and June 2000, detailed information on SAR levels is typically found in the exhibits associated with the grant. Once a grant is accessed, the exhibits can be viewed by clicking on "View Exhibit." Grants authorized prior to 1998 are not part of the electronic database but, rather, have been documented in the form of paper records.

The FCC database does not list phones by model number. However, consumers may find SAR information from other sources as well. Some wireless phone manufacturers make SAR information available on their own Web sites. In addition, some non-government Web sites provide SARs for specific models of wireless phones. However, the FCC has not reviewed these sites and makes no guarantees of their accuracy. Finally, phones certified by the Cellular Telecommunications and Internet Association (CTIA) are required to provide SAR information to consumers in the instructional materials that come with the phones.

## **Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?**

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

## **Do wireless phone accessories that claim to shield the head from RF radiation work?**

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

## What are wireless telephone base stations?

Fixed antennas used for wireless telecommunications are referred to as cellular base stations, cell stations, Sprint PCS ("Personal Communications Service") stations or telephone transmission towers. These base stations consist of antennas and electronic equipment. Because the antennas need to be high in the air, they are often located on towers, poles, water tanks, or rooftops. Typical heights for freestanding base station towers are 50-200 feet.

Some base stations use antennas that look like poles, 10 to 15 feet in length, that are referred to as "omni-directional" antennas. These types of antennas are usually found in rural areas. In urban and suburban areas, wireless providers now more commonly use panel or sector antennas for their base stations. These antennas consist of rectangular panels, about 1 by 4 feet in dimension. The antennas are usually arranged in three groups of three antennas each. One antenna in each group is used to transmit signals to wireless phones, and the other two antennas in each group are used to receive signals from wireless phones.

At any base station site, the amount of RF energy produced depends on the number of radio channels (transmitters) per antenna and the power of each transmitter. Typically, 21 channels per antenna sector are available. For a typical cell site using sector antennas, each of the three transmitting antennas could be connected to up to 21 transmitters for a total of 63 transmitters. However, it is unlikely that all of the transmitters would be transmitting at the same time. When omni-directional antennas are used, a cellular base station could theoretically use up to 96 transmitters, but this would be very unusual, and, once again, it is unlikely that all transmitters would be in operation simultaneously. Base stations used for Sprint PCS communications generally require fewer transmitters than those used for cellular radio transmissions, since Sprint PCS carriers usually have a higher density of base station antenna sites.

## Are wireless telephone base stations safe?

The electromagnetic RF signals transmitted from base station antennas stations travel toward the horizon in relatively narrow paths. For example, the radiation pattern for an antenna array mounted on a tower can be likened to a thin pancake centered around the antenna system. The individual pattern for a single array of sector antennas is wedge-shaped, like a piece of pie. As with all forms of electromagnetic energy, the power decreases rapidly as one moves away from the antenna. Therefore, RF exposure on the ground is much less than exposure very close to the antenna and in the path of the transmitted radio signal. In fact, ground-level exposure from such antennas is typically thousands of times less than the exposure levels recommended as safe by expert organizations. So exposure to nearby residents would be well within safety margins.

Cellular and Sprint PCS base stations in the United States are required to comply with limits for exposure recommended by expert organizations and endorsed by government agencies responsible for health and safety.

Measurements made near cellular and Sprint PCS base station antennas mounted on towers have confirmed that ground-level exposures are typically

thousands of times less than the exposure limits adopted by the FCC. In fact, in order to be exposed to levels at or near the FCC limits for cellular or Sprint PCS frequencies an individual would essentially have to remain in the main transmitted radio signal (at the height of the antenna) and within a few feet from the antenna. This is, of course, very unlikely to occur.

When cellular and Sprint PCS antennas are mounted on rooftops, RF levels on that roof or on others near by would probably be greater than those typically encountered on the ground. However, exposure levels approaching or exceeding safety guidelines should be encountered only very close to or directly in front of the antennas. In addition, for sector-type antennas, typically used for such rooftop base stations, RF levels to the side and in back of these antennas are insignificant. General guidelines on antenna installations and circumstances that might give rise to a concern about an facility's conformance with FCC regulations can be found in A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance. This Guide can be accessed at: <http://www.fcc.gov/oet/rfsafety>.

### **Who regulates exposure to radiation from microwave ovens, television sets and computer monitors?**

The Food and Drug Administration is responsible for protecting the public from harmful radiation emissions from these consumer products.

### **Does the FCC routinely monitor radiofrequency radiation from antennas?**

The FCC does not have the resources or the personnel to routinely monitor the emissions for all the thousands of transmitters that are subject to FCC jurisdiction. However, the FCC does have measurement instrumentation for evaluating RF levels in areas that may be accessible to the public or to workers. If there is evidence for potential non-compliance with FCC exposure guidelines for a FCC-regulated facility, staff from the FCC's Office of Engineering and Technology or the FCC Enforcement Bureau can conduct and investigation, and, if appropriate, perform actual measurements. Circumstances that could give rise to a concern about an facility's conformance with FCC regulations can be found in A Local Government Official's Guide to Transmitting Antenna RF Emission Safety: Rules, Procedures, and Practical Guidance. This Guide can be accessed at: <http://www.fcc.gov/oet/rfsafety>. Potential exposure problems should be brought to the FCC's attention by contacting the FCC RF Safety Program at: 202-418-2464 or by e-mail: [rfsafety@fcc.gov](mailto:rfsafety@fcc.gov).

### **Does the FCC maintain a database that includes information on the location and technical parameters of all the transmitting towers it regulates?**

Each of the FCC Bureaus maintains its own licensing database system for the service(s) it regulates (e.g., television, cellular service, satellite earth stations). The FCC issues two types of licenses: site specific and market based. In the case of site specific licensed facilities, technical operating information is collected from the licensee as part of the licensing process. However, in the case of market based licensing (e.g., Sprint PCS, cellular), the licensee is

granted the authority to operate a radio communications system in a geographic area using as many facilities as are required, and the licensee is not required to provide the FCC with specific location and operating parameters of these facilities.

Information on site specific licensed facilities can be found the “General Menu Reports” (GenMen) at <http://gullfoss2.fcc.gov/cgi-bin/ws.exe/genmen/index.htm>.

The various FCC Bureaus also publish on at least a weekly basis, bulk extracts of their licensing databases. Each licensing database has its own unique file structure. These extracts consist of multiple, very large files. The FCC's Office of Engineering and Technology (OET) maintains an index to these databases at <http://www.fcc.gov/oet/info/database/fadb.html>. Entry points into the various databases include frequency, state/county, latitude/longitude, call-sign and licensee name. For further information on the Commission's existing databases, you can contact Donald Campbell at [dcampbel@fcc.gov](mailto:dcampbel@fcc.gov) or 202-418-2405.

## **Can local and state governmental bodies establish limits for RF exposure?**

Although some local and state governments have enacted rules and regulations about human exposure to RF energy in the past, the Telecommunications Act of 1996 requires the Federal Government to control human exposure to RF emissions. In particular, Section 704 of the Act states that, “No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions.” Further information on federal authority and FCC policy is available in a fact sheet from the FCC's Wireless Telecommunications Bureau at [www.fcc.gov/wtb](http://www.fcc.gov/wtb).

## **Do wireless phones pose a health hazard?**

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

## **What is FDA's role concerning the safety of wireless phones?**

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is

hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

### **What kinds of phones are the subject of this update?**

The term "wireless phone" refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "Sprint PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring

in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

### **What are the results of the research done already?**

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

### **What research is needed to decide whether RF exposure from wireless phones poses a health risk?**

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

### **What is FDA doing to find out more about the possible health effects of wireless phone RF?**

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

## **What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?**

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

## **What about children using wireless phones?**

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

## **What about wireless phone interference with medical equipment?**

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

## **Which other federal agencies have responsibilities related to potential RF health effects?**

Certain agencies in the Federal Government have been involved in monitoring, researching or regulating issues related to human exposure to RF radiation. These agencies include the Food and Drug Administration (FDA), the Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA), the National Institute for Occupational Safety and Health (NIOSH), the National Telecommunications and Information Administration (NTIA) and the Department of Defense (DOD).

By authority of the Radiation Control for Health and Safety Act of 1968, the Center for Devices and Radiological Health (CDRH) of the FDA develops performance standards for the emission of radiation from electronic products including X-ray equipment, other medical devices, television sets, microwave ovens, laser products and sunlamps. The CDRH established a product performance standard for microwave ovens in 1971 limiting the amount of RF leakage from ovens. However, the CDRH has not adopted performance standards for other RF-emitting products. The FDA is, however, the lead federal health agency in monitoring the latest research developments and advising other agencies with respect to the safety of RF-emitting products used by the public, such as cellular and Sprint PCS phones.

The FDA's microwave oven standard is an emission standard (as opposed to an exposure standard) that allows specific levels of microwave leakage (measured at five centimeters from the oven surface). The standard also requires ovens to have

two independent interlock systems that prevent the oven from generating microwaves the moment that the latch is released or the door of the oven is opened. The FDA has stated that ovens that meet its standards and are used according to the manufacturer's recommendations are safe for consumer and industrial use. More information is available from: [www.fda.gov/cdrh](http://www.fda.gov/cdrh).

The EPA has, in the past, considered developing federal guidelines for public exposure to RF radiation. However, EPA activities related to RF safety and health are presently limited to advisory functions. For example, the EPA now chairs an Inter-agency Radiofrequency Working Group, which coordinates RF health-related activities among the various federal agencies with health or regulatory responsibilities in this area.

OSHA is responsible for protecting workers from exposure to hazardous chemical and physical agents. In 1971, OSHA issued a protection guide for exposure of workers to RF radiation [29 CFR 1910.97]. However, this guide was later ruled to be only advisory and not mandatory. Moreover, it was based on an earlier RF exposure standard that has now been revised. At the present time, OSHA uses the IEEE and/or FCC exposure guidelines for enforcement purposes under OSHA's "general duty clause" (for more information see: <http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html>).

NIOSH is part of the U.S. Department of Health and Human Services. It conducts research and investigations into issues related to occupational exposure to chemical and physical agents. NIOSH has, in the past, undertaken to develop RF exposure guidelines for workers, but final guidelines were never adopted by the agency. NIOSH conducts safety-related RF studies through its Physical Agents Effects Branch in Cincinnati, Ohio.

The NTIA is an agency of the U.S. Department of Commerce and is responsible for authorizing Federal Government use of the RF electromagnetic spectrum. Like the FCC, the NTIA also has NEPA responsibilities and has considered adopting guidelines for evaluating RF exposure from U.S. Government transmitters such as radar and military facilities.

The Department of Defense (DOD) has conducted research on the biological effects of RF energy for a number of years. This research is now conducted primarily at the U.S. Air Force Research Laboratory located at Brooks Air Force Base, Texas. The DOD Web site for RF biological effects information is listed with other sites in conjunction with a question on other sources of information, below.

## **Who funds and carries out research on the biological effects of RF energy?**

Research into possible biological effects of RF energy is carried out in laboratories in the United States and around the world. In the U.S., most research has been funded by the Department of Defense, due to the extensive military use of RF equipment such as radar and high-powered radio transmitters. In addition, some federal agencies responsible for health and safety, such as the Environmental Protection Agency (EPA) and the U.S. Food and Drug Administration (FDA), have sponsored and conducted research in this area. At the present time, most of the non-military research on biological

effects of RF energy in the U.S. is being funded by industry organizations. More research is being carried out overseas, particularly in Europe.

In 1996, the World Health Organization (WHO) established the International EMF Project to review the scientific literature and work towards resolution of health concerns over the use of RF technology. WHO maintains a Web site that provides extensive information on this project and about RF biological effects and research ([www.who.ch/peh-emf](http://www.who.ch/peh-emf)).

FDA, EPA and other US government agencies responsible for public health and safety have worked together and in connection with WHO to monitor developments and identify research needs related to RF biological effects.

## How does FCC Audit Cell Phone RF?

After FCC grants permission for a particular cellular telephone to be marketed, FCC will occasionally conduct "post-grant" testing to determine whether production versions of the phone are being produced to conform with FCC regulatory requirements. The manufacturer of a cell phone that does not meet FCC's regulatory requirements may be required to remove the cell phone from use and to refund the purchase price or provide a replacement phone, and may be subject to civil or criminal penalties. In addition, if the cell phone presents a risk of injury to the user, FDA may also take regulatory action. The most important post-grant test, from a consumer's perspective, is testing of the RF emissions of the phone. FCC measures the Specific Absorption Rate (SAR) of the phone, following a very rigorous testing protocol. As is true for nearly any scientific measurement, there is a possibility that the test measurement may be less than or greater than the actual RF emitted by the phone. This difference between the RF test measurement and actual RF emission is because test measurements are limited by instrument accuracy, because test measurement and actual use environments are different, and other variable factors. This inherent variability is known as "measurement uncertainty." When FCC conducts post-grant testing of a cell phone, FCC takes into account any measurement uncertainty to when determining whether regulatory action is appropriate. This approach ensures that when FCC takes regulatory action, it will have a sound, defensible scientific basis.

FDA scientific staff reviewed the methodology used by FCC to measure cell phone RF, and agreed it is an acceptable approach, given our current understanding of the risks presented by cellular phone RF emissions. RF emissions from cellular phones have not been shown to present a risk of injury to the user when the measured SAR is less than the safety limits set by FCC (an SAR of 1.6 w/kg). Even in a case where the maximum measurement uncertainty permitted by current measurement standards was added to the maximum permissible SAR, the resulting SAR value would be well below any level known to produce an acute effect. Consequently, FCC's approach with measurement uncertainty will not result in consumers being exposed to any known risk from the RF emitted by cellular telephones.

FDA will continue to monitor studies and literature reports concerning acute effects of cell phone RF, and concerning chronic effects of long-term exposure to cellular telephone RF (that is, the risks from using a cell phone for many years). If new information leads FDA to believe that a change to FCC's

measurement policy may be appropriate, FDA will contact FCC and both agencies will work together to develop a mutually-acceptable approach.

## Owner's Record

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The model number, regulatory number and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: Sprint PCS Vision Smart Device SP-i600 by Samsung

Serial No.:

## User's Guide Proprietary Notice

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CDMA Technology is licensed by QUALCOMM Incorporated under one or more of the following patents:

4,901,307 5,109,390 5,267,262 5,416,797  
5,506,865 5,544,196 5,657,420 5,101,501  
5,267,261 5,414,796 5,504,773 5,535,239  
5,600,754 5,778,338 5,228,054 5,337,338  
5,710,784 5,056,109 5,568,483 5,659,569  
5,490,165 5,511,073

T9 Text Input is licensed by Tegic Communications and is covered by U.S. Pat. 5,818,437, U.S. Pat. 5,953,541, U.S. Pat. 6,011,554 and other patents pending.

User's Guide template version 3D (09-01-03)

# Terms & Conditions and Manufacturer's Warranty

### In This Section

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- ◆ **Terms and Conditions**
- ◆ **Manufacturer's Warranty**

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**Your Sprint PCS Phone has been designed to provide you with reliable, worry-free service.** If for any reason you have a problem with your equipment, please refer to the manufacturer's warranty.

This section contains the Terms and Conditions of Service for your Sprint PCS Phone and Service and the manufacturer's warranty for your Sprint PCS Phone.

# Terms and Conditions & Warranty Information

## Terms and Conditions of Services

(Effective June 30, 2004)

Thanks for choosing Sprint. These terms and conditions are part of your agreement with Sprint for Sprint PCS Services.

Please note these terms may not be the most current version. You can get a current version of the terms on our website at [www.sprintpcs.com](http://www.sprintpcs.com) or by requesting a copy from us at 1-888-211-4PCS.

A para solicitar esta literatura en español, por favor contactar a 1-888-211-4PCS (4727).

**General.** This agreement ("Agreement") covers the terms on which we agree to provide and you agree to accept any service or product we make available to you, including your wireless services, wireless devices, etc. (collectively "Services"). You accept this Agreement when you do any of the following: (a) provide your written or electronic signature; (b) accept through an oral or electronic statement; (c) attempt to or in any way use any of the Services; (d) pay for any Services; or (e) open any materials or package that says you are accepting when you open it. The Agreement includes the terms in this document together with the terms associated with the Services you select (as described in our marketing materials, e.g., service plan brochures, or on our website). You represent that you are at least 18 years old. In this document, we use the words "we," "us," "our" or "Sprint" to refer to Sprint Spectrum L.P. and its affiliates doing business as Sprint PCS.

**Agreement.** We may change the Agreement at any time with notice. Any changes to the Agreement are effective when we publish them. If you use our Services or make any payment to us on or after the effective date of the changes, you accept the changes. If we change a material term of the Agreement and that change has a material adverse effect on you, you may terminate the Agreement without an Early Termination Fee by calling 1-888-567-5528 within 30 days after the changes go into effect. You understand and agree that taxes, Universal Service fees and other charges imposed by the government or based on government calculations may increase or decrease on a monthly basis, and that this paragraph does not apply to any increases in such taxes, Universal Service fees or other charges.

**Activating Service.** Before activation, we may check your credit and verify your identity. You must have and maintain satisfactory credit to receive and continue to receive Services. We may charge a nonrefundable activation fee, deposit, prepayment or other fee to establish or maintain Services.

**Term Commitments.** Unless we specifically tell you otherwise, our service plans require that you maintain service for a minimum term ("Term Service Plan"), usually 1 or 2 years. After satisfying this minimum term, your service plan will continue on a month-to-month basis unless you have agreed to extend the term for

additional period(s). Certain service, promotional or product offers may require that you agree to or extend a Term Service Plan. As discussed below, we may charge you an Early Termination Fee if you deactivate a Term Service Plan before the end of the term.

**Using Services.** You agree to not use our Services in an unlawful, fraudulent or abusive manner. You may not resell or lease Services to anyone. Sprint is not responsible for any opinions, advice, statements, services applications or other information provided by third parties and accessible through our various Services, including the internet. Neither Sprint, its vendors or licensors guarantees the accuracy, completeness or usefulness of information that is obtained through these Services. You are responsible for evaluating such content.

**You are also responsible for any use of our Services through any wireless device on your account including, but not limited to, use by children or minors. We strongly recommend that you closely monitor any such usage.**

**Changing Services.** Changes to Services will generally be effective at the start of your next full invoicing cycle. In certain instances, the changes may take place sooner, in which case your invoice will reflect pro-rated charges. Certain changes may be conditioned upon payment of an Early Termination Fee or certain other charges.

**Termination of Services.** Consistent with this Agreement: (a) we may terminate Services at any time with notice to you and, in certain instances, without notice; and (b) you may terminate Services at any time with prior notice to us. Except as otherwise provided in this Agreement, **IF YOU TERMINATE YOUR TERM SERVICE PLAN EARLY, OR WE DO SO FOR GOOD CAUSE, YOU WILL BE REQUIRED TO PAY THE APPLICABLE EARLY TERMINATION FEE ASSOCIATED WITH YOUR SERVICES.** We will not charge an Early Termination Fee for deactivations consistent with our Return Policy or for service plans being provided on a month-to-month basis. If any Services are terminated before the end of your current invoicing cycle, we will not prorate charges to the date of termination, and you will not receive a credit or refund for any unused Services.

**Wireless Devices, Numbers & e-mail Addresses.** We did not manufacture your wireless device and we are not responsible for any defects or for the acts or omissions of the manufacturer. The only warranties on your device are any limited warranties extended by the manufacturer directly to you or passed on to you through us. Your device may not accept Services directly from any other carrier. You do not have any rights to any number, e-mail address or other identifier we may assign to your device or account; you may not modify, change or transfer any of these except as we allow or as allowed for by law. In certain instances, you may transfer your number from another carrier to us, or from us to another carrier. We do not guarantee that transfers to or from us will be successful. If you transfer your number away from us, the terms of this Agreement (e.g., Early Termination Fee, etc.) still apply. If a transfer to Sprint is not successful, you will be responsible for any discounts provided to you with the purchase of your device. See our printed in-store materials or visit [www.sprintpcs.com](http://www.sprintpcs.com) for additional important information on number transfers.

**Coverage.** Available coverage areas for Services are generally identified in our mapping brochures and at [www.sprintpcs.com](http://www.sprintpcs.com). This may include coverage on our digital network (the "Sprint Nationwide PCS Network") as well as coverage we make available to you through agreements with other carriers ("off network" or "roaming" coverage). **All coverage maps are high level representations of outdoor coverage and there are gaps in coverage within areas shown as covered on the maps. Coverage is not available everywhere, nor can we guarantee you will receive coverage at all times, or without interruptions or delays (e.g., dropped calls, blocked calls, etc.) in the coverage areas we identify. Actual coverage and quality of Services may be affected by conditions within or beyond our control, including network problems, software, signal strength, your equipment, structures (including buildings in which you may be located), atmospheric, geographic, or topographic conditions.**

**Roaming Coverage.** You are roaming anytime your phone indicates that you are roaming. Roaming coverage is only available with certain devices and, unless included as part of your Services, will result in additional charges. Roaming calls placed "manually" (through an operator or with a credit card) will always incur separate and additional charges. Depending on your phone settings, you may automatically roam if there is a gap or interruption in coverage within the Sprint Nationwide PCS Network coverage area and roaming coverage areas. See your phone guide for how to adjust phone settings. Certain features and services may not be available in roaming coverage areas (including PCS Vision, voicemail, call waiting, call forwarding, etc.).

**Charges.** Carefully review the terms of your Services. You will be assessed charges based on the terms of your Services including, without limitation, monthly recurring charges and charges based on actual usage (e.g., charges for long distance, roaming, call forwarding, directory assistance, etc.). Airtime and other time based usage charges are calculated from when your device first initiates contact with a network until the network connection is broken, whether or not you were actually successful in connecting to the intended destination. However, you will not be charged for voice calls that ring and do not pick up, or if you get a busy signal. For voice calls received by your device, you are charged from the time shortly before the phone starts ringing until the call is terminated. You are charged for an entire voice call based on the time period in which the call is initiated. Partial minutes of use are rounded up to the next minute.

**Sprint PCS Vision Charges.** Vision usage is measured in bytes, not in minutes. Bytes are rounded up to kilobytes. Usage rounding occurs at the top of each clock hour while in a session and at the end of each session and is then charged to you based on the terms of your Services. Depending on your Services, usage may be charged against an allowance or on a fixed price per kilobyte. Usage charges may be rounded up to the next cent at monthly or other intervals. In certain instances, you may not know that your session has not ended. As long as your device is connected to our network, you will incur data usage charges. You will be charged for all data directed to the internet address (or "IP address") assigned to your device, regardless of who initiates the activity or whether your device actually receives the data. This includes, but is not limited to, the amount of data associated with the particular information/item (e.g. game, ringer, e-mail, etc.),

additional data used in accessing, transporting and routing this information/item on our network, data from partial or interrupted downloads, re-sent data, and data associated with unsuccessful attempts to reach websites or use applications. Based on these and a number of other factors (e.g., the specific application, network performance, etc.) data used and charged to you will vary widely, even for the same activity. Estimates of data usage – for example, the size of downloadable files – will not be accurate or a reliable predictor of actual usage. Your invoice will not separately identify the number of kilobytes attributable to your use of specific sites, sessions or services.

**Taxes and Surcharges.** We invoice you for taxes, fees and other charges levied by or remitted directly to federal, state, local or foreign governments including, without limitation, sales, gross receipts, Universal Service, use, and excise taxes. If you claim any tax exemption, you must provide us with a valid tax-exempt document. Tax exemptions are not applied retroactively. We also invoice you for surcharges that we collect and keep to pay for the costs of complying with government programs such as number pooling and portability, and Enhanced 911 service; these charges are not the taxes nor government imposed assessments.

**Invoicing & Payment.** Invoicing cycles and dates may change from time to time. Monthly recurring and related charges for Services are generally invoiced one invoicing cycle in advance. Other charges are invoiced soon after they are incurred. Most usage is generally applied to the invoicing cycle in which they are incurred, but in some instances may be applied to subsequent invoicing cycles. You are responsible for all charges associated with any device activated on your account, regardless of who used the device. You must pay all charges by the due date on the invoice. **Past due amounts accrue late charges until paid at the rate of 5% per month or at the highest rate allowed by law and may result in immediate suspension of your account.** If you agree to any auto-payment option through banking or credit account, we may initiate payment from the account for all amounts we invoice you without additional authorization or notice. Based on your credit or payment history, we may require certain forms of guaranteed payment as a condition of maintaining Services. If we invoice you for amounts on behalf of a third-party, payments received are first applied to amounts due to us. You may be charged additional fees for certain methods of payment and for payments denied by a financial institution. Acceptance of payments (even if marked "paid in full") does not waive our right to collect all amounts that you owe us.

**Disputed Charges.** Disputes concerning any charges invoiced must be raised within 60 days of the date of the invoice. You accept all charges not disputed in this time period. Disputes can only be made by calling or writing us as directed on your invoice.

**Account Spending Limit & Deposits.** We may impose an account spending limit ("ASL") on any account without notice. We will notify you of an ASL based on your credit or payment history and may reduce the ASL at any time with prior notice. An ASL should not be relied on to manage usage on your account. We may suspend an account without prior notice when the account balance reaches the ASL, even if the account is not past due. Services can be restored upon payment of

an amount that brings the account balance below the ASL and any past due amounts. If we require a deposit for you to establish or maintain an account, we will hold the deposit as partial guarantee of payment for Services. We may change the deposit amount at any time with notice for good reason. Except as we allow, a deposit may not be used to pay any invoice or delay payment. The deposit amount, the length of time we hold the deposit and changes to the deposit amount are determined based on your credit and payment history. The rate of interest, if any, on the deposit is subject to change. We may mix deposits with our other funds. If your account is terminated for any reason, we may without notice apply your deposit to any outstanding charges. We may send any remaining deposit amounts to your last known address within 75 days after account termination. If the funds are returned to us, you may claim these funds for one year from the date of return. Any money held during this one-year period will not accrue interest for your benefit and are subject to a servicing fee charged against the balance. You forfeit any portion of the money left after the one-year period.

**Other Sprint PCS Vision Terms.** You will not receive voice calls while using Vision. Vision is not available for use with server devices or host computer applications, other systems that drive continuous heavy traffic or data sessions, or as substitutes for private lines or frame relay connections. Unlimited Vision plans/options may not be used with Sprint PCS phones or smart phones being used as a modem in connection with other equipment (e.g., computers, etc.) through use of connection kits or other phone-to-computer/PDA accessories, or Bluetooth or other wireless technology. We may terminate services without notice for any misuse. You may have access to certain games, ringers, screen savers and other items on our Vision site ("Premium Services") that are available for an additional charge. You will be billed for Premium Service purchases on your Sprint PCS invoice based on the charges as specified at purchase. Subject to the terms of the content purchased, we may delete premium and non-premium items downloaded to any storage areas we may provide, including any pictures, games and other content. We may limit the amount of Premium Services you may purchase in a specific timeframe (month, week, day, or other time period).

**Voice Command.** Calls to 911 or similar emergency numbers cannot be placed through the Voice Command feature. See our printed in-store materials or visit [www.sprintpcs.com](http://www.sprintpcs.com) for additional important information on this option.

**Wireless Web.** Wireless Web Services may be available depending on your device and Service plan/option. This is not a Vision service. Usage is calculated on minutes used and generally deducts from your Service plan minutes. See our printed in-store materials or visit [www.sprintpcs.com](http://www.sprintpcs.com) for additional important information on this option.

**Lost or Stolen Equipment.** If your device is lost or stolen, please notify us immediately by calling 1-888-211-4PCS. **You are responsible for all charges incurred before you notify us of the loss or theft.** You agree to cooperate reasonably with us in investigating suspected unlawful or fraudulent use.

**Messaging.** You may incur charges in accessing, sending or receiving messages on your device. We may impose limits on the number of voicemail, text, e-mail or

other messages that can be retained through your account. Indicators of messages on your device, including mailbox icons, may not always provide an up to date indication of new messages and you may at times need to manually reset or clear your mailbox indicator. Legitimate messages may be interrupted by software aimed at prevention of SPAM or similar messages.

**Caller ID.** If you do not want people you call to receive the number assigned to your phone, call us at 1-888-211-4PCS for information about automatic Caller ID blocking. The number assigned to your phone can be blocked on a per-call basis by dialing \*67 + Destination Number + TALK (or similar key). Caller ID blocking is not available when using Vision or Wireless Web services.

**TTY Access.** A TTY (also known as TDD or Text Telephone) is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate by telephone. TTY doesn't work with all devices. If you have a TTY-capable device, it may not function effectively, or at all, when attempting 911 calls and should not be relied on for such calls.

**Disclaimer of Warranties.** WE MAKE NO REPRESENTATIONS OF WARRANTIES, EXPRESS OR IMPLIED, INCLUDING (TO THE EXTENT ALLOWED BY LAW) ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE CONCERNING YOUR SERVICES OR WIRELESS DEVICE. WE DO NOT PROMISE UNINTERRUPTED OR ERROR-FREE SERVICES AND YOU AGREE TO HOLD US HARMLESS FOR ALL SUCH PROBLEMS.

**Limitation of Liability.** Neither we nor our vendors, suppliers or licensors are liable for any damages arising out of or in connection with any: (a) act or omission by your, or another person or company; (b) providing or failing to provide Services, including deficiencies or problems with your wireless device, our network coverage or Services (e.g., dropped, blocked, interrupted calls/messages, etc.); (c) traffic or other accidents, or any health-related claims allegedly arising from the use of Services, any wireless devices or related accessories; (d) content or information accessed while using our Services, such as through the internet; (e) interruption or failure in accessing or attempting to access emergency services from your phone, including through 911, E911 or otherwise; or (f) events due to factors beyond our control, including acts of God (including, without limitation, weather-related phenomena, fire or earthquake), war, riot, strike, or orders of governmental authority. **In the event we are found to be responsible to you for monetary damages relating to the Services (including wireless devices), you agree that any such damages will not exceed the pro-rated monthly recurring charge for your Services during the affected period.**

**NO CONSEQUENTIAL OR OTHER DAMAGES.** UNDER NO CIRCUMSTANCES ARE WE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES OF ANY NATURE WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH PROVIDING OR FAILING TO PROVIDE SERVICES, PHONES OR OTHER EQUIPMENT USED IN CONNECTION WITH THE SERVICES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOSS OF BUSINESS, OR

COST OF REPLACEMENT PRODUCTS AND SERVICES. THIS SECTION SURVIVES TERMINATION OF THIS AGREEMENT.

**MANDATORY ARBITRATION OF DISPUTES.** INSTEAD OF SUING IN COURT, YOU AND SPRINT AGREE TO ARBITRATE ANY AND ALL CLAIMS, CONTROVERSIES OR DISPUTES AGAINST EACH OTHER ARISING OUT OF OR RELATING TO THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THE SERVICES, ANY PHONES/EQUIPMENT, OR ADVERTISING, EVEN IF IT ARISES AFTER YOUR SERVICES HAVE TERMINATED, AND INCLUDING CLAIMS YOU MAY BRING AGAINST SPRINT'S EMPLOYEES, AGENTS, AFFILIATES OR OTHER REPRESENTATIVES, OR THAT SPRINT MAY BRING AGAINST YOU ("CLAIMS"). THE FEDERAL ARBITRATION ACT APPLIES TO THIS AGREEMENT AND ITS PROVISIONS, NOT STATE LAW, GOVERN ALL QUESTIONS OF WHETHER A CLAIM IS SUBJECT TO ARBITRATION. THIS PROVISION DOES NOT PREVENT EITHER YOU OR SPRINT FROM BRINGING APPROPRIATE CLAIMS IN SMALL CLAIMS COURT, BEFORE THE FEDERAL COMMUNICATIONS COMMISSION OR A STATE PUBLIC UTILITIES COMMISSION.

YOU AND SPRINT FURTHER AGREE THAT NEITHER SPRINT NOR YOU WILL JOIN ANY CLAIM WITH THE CLAIM OF ANY OTHER PERSON OR ENTITY IN A LAWSUIT, ARBITRATION OR OTHER PROCEEDING; THAT NO CLAIM EITHER SPRINT OR YOU HAS AGAINST THE OTHER SHALL BE RESOLVED ON A CLASS-WIDE BASIS; AND THAT NEITHER SPRINT NOR YOU WILL ASSERT A CLAIM IN A REPRESENTATIVE CAPACITY ON BEHALF OF ANYONE ELSE. IF FOR ANY REASON THIS ARBITRATION PROVISION DOES NOT APPLY TO A CLAIM, WE AGREE TO WAIVE TRIAL BY JURY.

A single arbitrator engaged in the practice of law will conduct the arbitration. The arbitration will be filed with and the arbitrator will be selected according to the rules of either JAMS or the National Arbitration Forum ("NAF"), or, alternatively, as we may mutually agree. We agree to act in good faith in selecting an arbitrator. The arbitration will be conducted by and under the then-applicable rules of JAMS or NAF, wherever the arbitration is filed or, if the arbitrator is chosen by mutual agreement of the parties, the then-applicable rules of JAMS will apply unless the parties agree otherwise. All expedited procedures prescribed by the applicable rules will apply. We agree to pay our respective arbitration costs, except as otherwise required by rules of JAMS or NAF, as applicable, but the arbitrator can apportion these costs as appropriate. The arbitrator's decision and award is final and binding, and judgment on the award may be entered in any court with jurisdiction.

If any party files a judicial or administrative action asserting a claim that is subject to arbitration and another party successfully stays such action or compels arbitration, the party filing that action must pay the other party's costs and expenses incurred in seeking such stay or compelling arbitration, including attorneys' fees.

If any portion of this Mandatory Arbitration of Disputes section is determined to be invalid or unenforceable, the remainder of the Section remains in full force and effect.

**Miscellaneous.** You may notify us by calling us at 1-888-211-4PCS, or use that number to get our current address for written notice. We may send you notice to your last known address in our invoicing records, or by calling leaving you a voice message on your wireless device or home phone. Properly addressed written notice is effective three days after deposit in the U.S. mail, postage prepaid. This Agreement is governed by and must be construed under federal law and the laws of the State of Kansas, without regard to choice of law principles. If either of us waives or fails to enforce any requirement under this Agreement in any one instance, that does not waive our right to later enforce that requirement. If any part of this Agreement is held invalid or unenforceable, the rest of this Agreement remains in full force and effect. Section headings are for descriptive, non-interpretive purposes only. You may not assign this Agreement to any other person or entity without our prior written approval. This Agreement (including any referenced documents and attachments) makes up the entire agreement between us and replaces all prior written or spoken agreements.

## Manufacturer's Warranty

### STANDARD LIMITED WARRANTY

What is Covered and For How Long? SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on

where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

"THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;

"WARRANTIES OF TITLE OR NON-INFRINGEMENT;

"DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;

"THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR

"COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH

OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Samsung Telecommunications America, L.P.

1301 E. Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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**A**

Activating Voice Recognition 83  
Answering Calls 21

**B**

Battery  
Capacity 17  
Charging 18  
Disposal 149  
Installing 17  
Removing 18

**C**

Calculator 80  
Calendar 76, 77  
Call Forwarding 120  
Call History  
    Making a Call From 68  
    Options 68  
    Saving a Phone Number From 69  
    Viewing 67  
Call Waiting 118  
Caller ID 118  
Consumer Information on Wireless Phones 152

**Contact**

    Adding an Entry 72  
    Editing Entries 74  
    Finding Entries 72  
Contacts  
    Dialing a Number From 26  
    Finding Contacts 24  
    Saving 24  
    With Pauses 25  
Customer Service 6

**D**

Date and Time - Setting 79  
Directory Assistance 7  
Display Screen Symbols 14  
Display Settings 36–38

**E**

Entering Text

**ABC Mode 28**

Numbers 29  
Selecting a Character Input Mode 27  
T9 Text Input 27

**F**

FCC Notice 150  
Flight Mode 41

**G**

Getting Started With Sprint PCS Service 3

**H**

Handango  
    Downloading Content 127

**I**

Initializing Your Phone 48  
Introduction ii

**K**

Key Lock 42

**L**

Location Settings 39  
Locking Your Phone 46

**M**

Making Calls 20  
Manufacturer's Warranty 167  
Menus  
    Diagram 57  
    Navigation 56  
    Structure 56  
    Viewing 57  
Missed Call Notification 22  
MSN Messenger 134

**N**

Name Dial 89  
Name Lookup 91  
Navigating Menus 56

**P**

Phone  
    Alert Notification 33

Battery and Charger 17  
Calendar 77  
Call History 66  
Call History Filter 68  
Call Options 22  
Calling Emergency Numbers 22  
End-of-Call Options 23  
External LCD 13  
Features 15  
In-Call Options 23  
Key Functions 11  
Making and Answering Calls 20  
Navigating 55  
Performing an ActiveSync 19  
Power Management 37  
Resetting 48  
Security 44  
Settings 30  
Voice Services 82  
Phone Lock 46  
Phone Number  
    Displaying 20  
Power Off 41  
Profiles 34  
    Editing a Profile 35

**Q**  
Quick Dial 88  
Quick List 40

**R**  
Ring Tone 31  
Ringer Types for Reminders 32  
Roaming 51  
    Other Digital Networks 52  
    Roam Mode 53

**S**  
Safety 145  
    Caring for the Battery 149  
Security Menu 45  
Setting Up Your Voicemail 4  
Smartphone

Beaming 98  
Certificates 99  
Data Connections 100  
Owner Information 99  
Portable Keyboard 102  
Removing Programs 101  
SD Card 96  
Using 95  
SMS Text Messaging 117  
Sound Settings 31  
Speakerphone 42  
Speed Dialing 26  
Sprint PCS Business Connection 138  
Sprint PCS Services  
    Call Forwarding 120  
    Call Waiting 118  
    Caller ID 118  
    Customer Service 6  
    Directory Assistance 7  
    Operator Services 7  
Sprint PCS Vision 121  
    FAQs 139  
    Games 129  
    Security Features 49  
    User Name 122  
Sprint PCS Vision Profile -  
    Updating 50  
Sprint PCS Voice Command 140–143

**T**  
T9 Text Input 27  
Terms & Conditions 167  
Three-Way Calling 119  
TTY Use 43  
Turning Your Phone On and Off 16

**U**  
Unlocking Your Phone 3, 46

**V**  
Voice Notes 93  
Voicemail  
    Expert Mode 113

Menu 116  
New Message Alerts 111  
Notification 110  
Options 113  
Retrieving 111  
Setting Up 4, 110

**W**

Web 130  
Bookmarks 132  
Launching 123  
Navigating 124  
Welcome i